TA-D507

SERVICE MANUAL

AEP Model
UK Model
East European Model

This set is the amplifier section in LBT-D507/D507CD/D507CDM.

SPECIFICATIONS

Continuous RMS power output
60 W + 60 W
(6 ohms, at 1 kHz, 5 % THD)
50 W + 50 W
(6 ohms, DIN, 1 kHz)
Music power output 90 W + 90 W
(6 ohms, at 1 kHz, 10 % THD)

Input	Jack type	Sensitivity	Impedance
PHONO (MM)	Phono	3.3 mV	47 kohms
VIDEO	Phono	270 mV	47 kohms

Audio output	Jack type	Impedance
SURROUND SPEAKER	Phono	Accepts speakers of 16 ohms
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more

Frequency response	10 Hz to 50 kHz $^{0}_{3}$ dB
Power requirements	220 – 230 V AC, 50/60 Hz
Power consumption	150 W
Weight	Approx. 6.0 kg
Dimensions	Approx. 355 · 132 · 320 mm (w/h/d, including projections)

Design and specifications are subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

MICROFILM

INTEGRATED STEREO AMPLIFIER

SONY®

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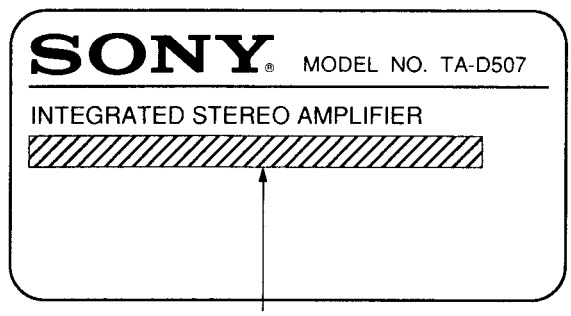
MODEL IDENTIFICATION

— Model Number Portion —



AEP, Italian, East Europian model : AC : 220—230V ~ 50/60Hz
Germany model : SYSTEM LBT-D507
AC : 220—230V ~ 50/60Hz
UK model : AC : 240V ~ 50/60Hz

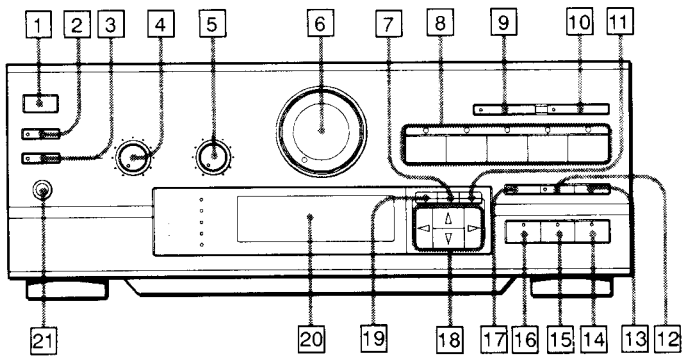
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

This section is extracted from instruction manual.

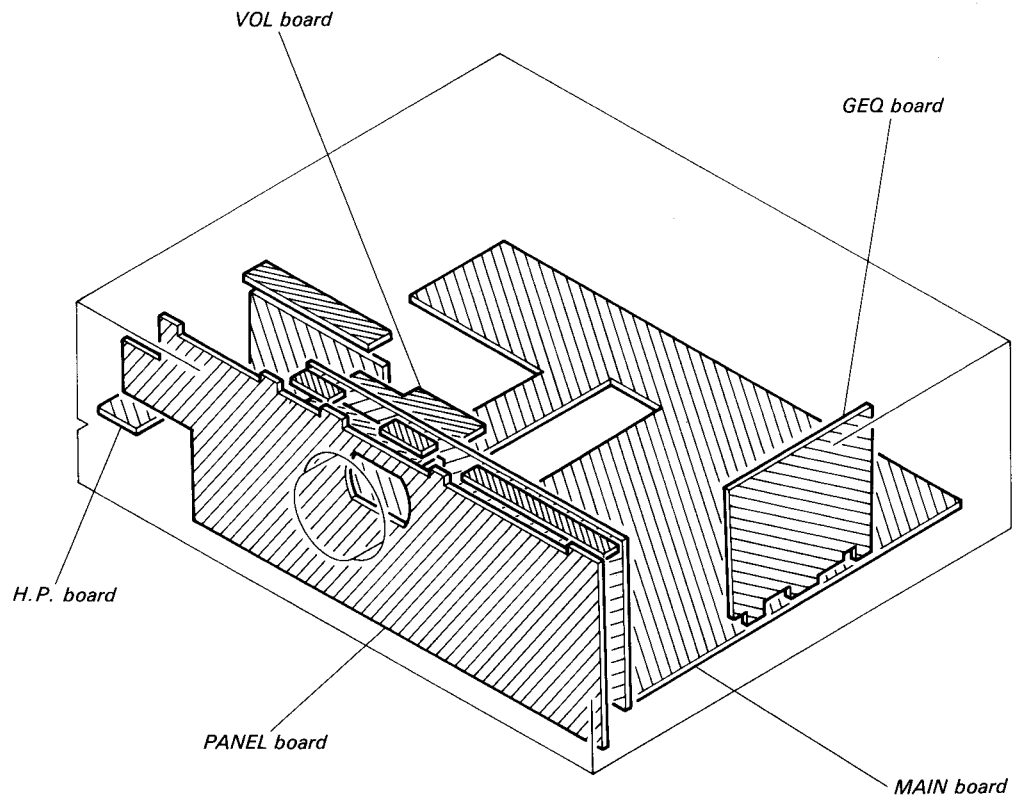
Location of Controls



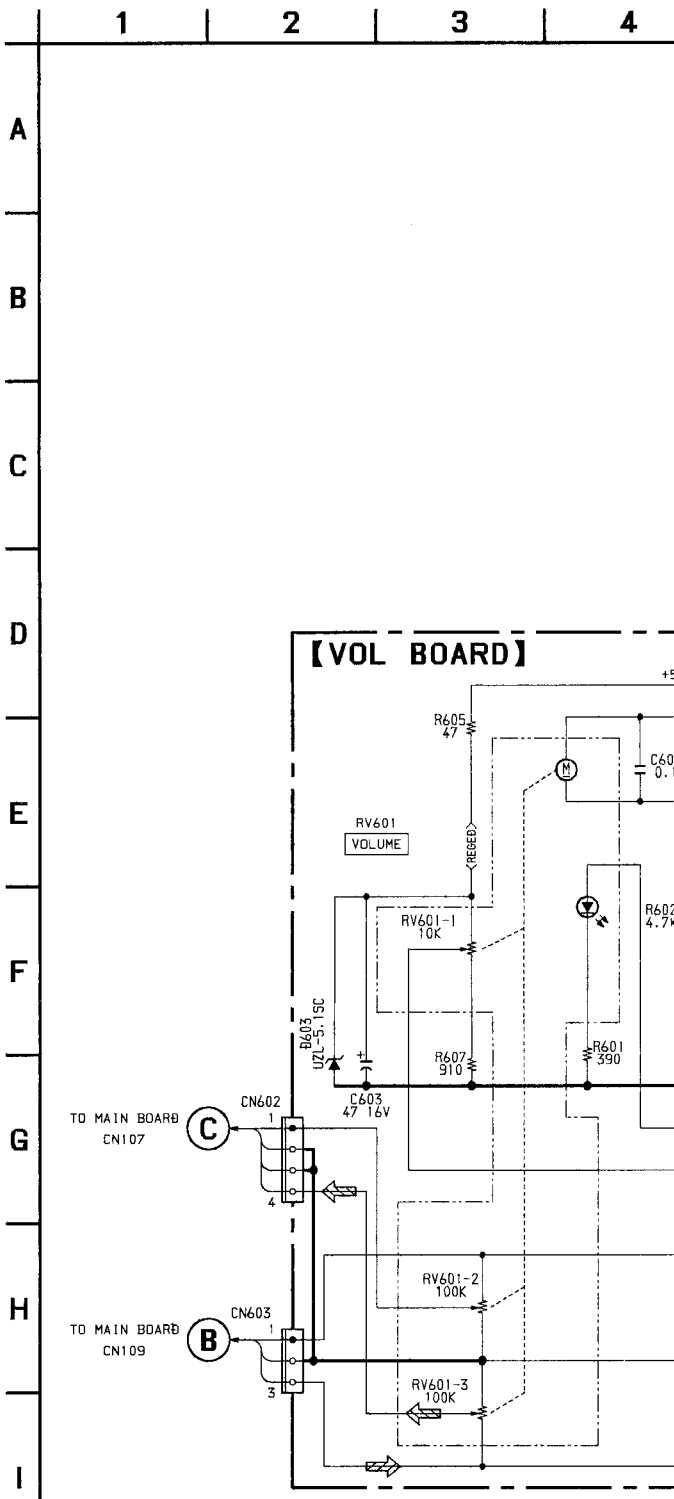
1. POWER switch (16)
2. EFFECT button and indicator (60)
3. DBFB button and indicator (18)
4. DBFB LEVEL control and indicator (18)
5. BALANCE control (18)
6. VOLUME control (18)
7. FLAT button (62)
8. Function selectors and indicators
9. EQ REC button and indicator (40)
10. PROGRAM FUNCTION button and indicator (122)
11. REVERSE button (62)
12. SURROUND MODE button and indicator (54)
13. SURROUND LEVEL button (54)
14. EQ button and indicator (58)
15. PERSONAL FILE 1 – 5 button and indicator (64)
16. SELECT 5 button and indicator (56)
17. MEMORY button and indicator (64)
18. CURSOR CONTROL buttons (56, 58, 64, 66)
19. DISPLAY button (62)
20. Display window
21. HEADPHONES jack

SECTION 2
DIAGRAMS

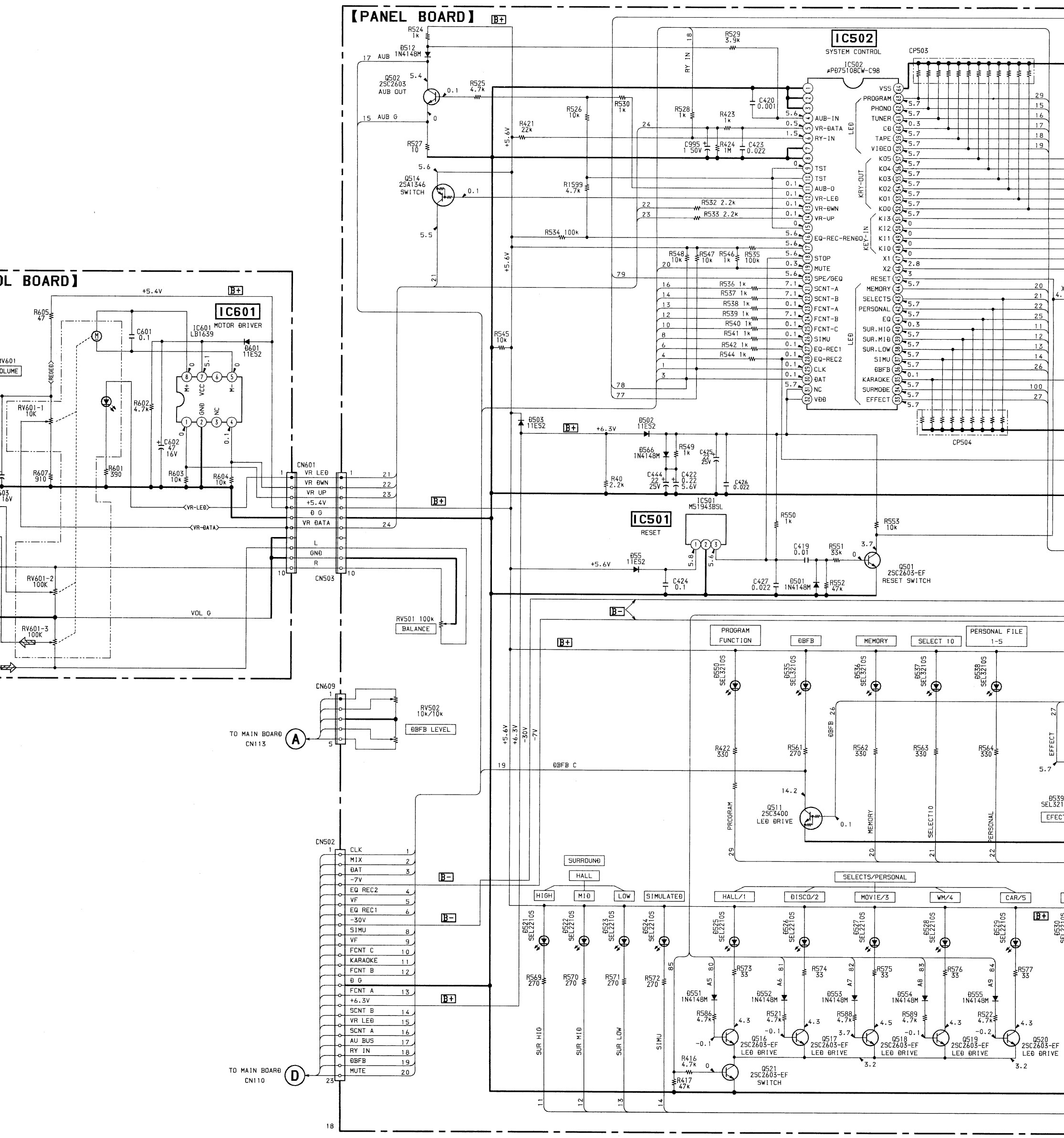
2-1. CIRCUIT BOARDS LOCATION



2-2. SCHEMATIC DIAGRAMS – PANEL Section –



3 4 5 6 7 8 9 10 11 12 13 14 15

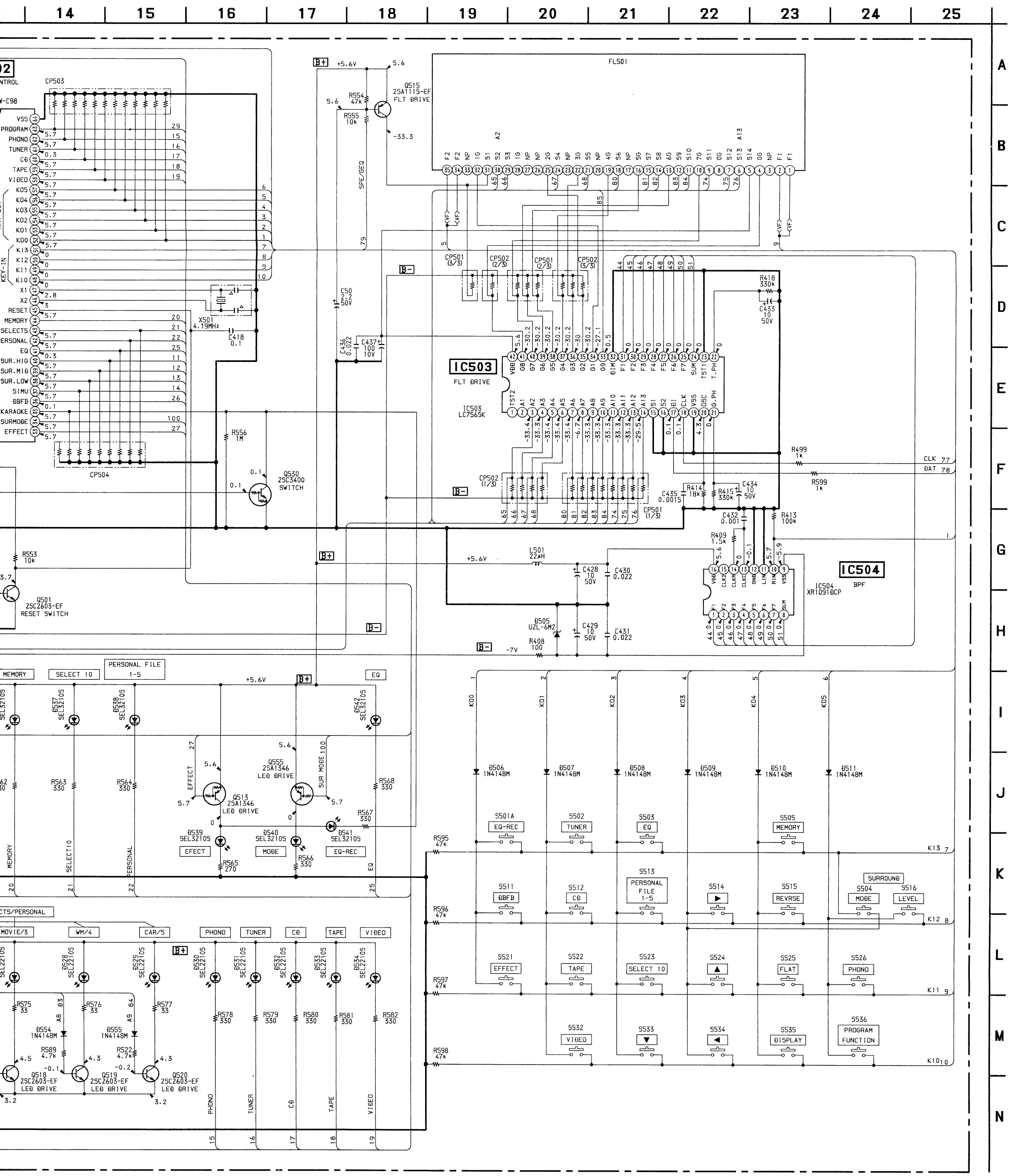


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : printed resistor.
- B+ : B+ Line
- B− : B− Line
- : adjustment for repair.
- ※ : selected to yield optimum performance.
- AC voltage readings in the bias oscillator with a VTVM.
- Total current is measured with no cassette installed.
- Power voltage is dc V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : CD
  G: Germany

  IT: Italian

  EE: East European



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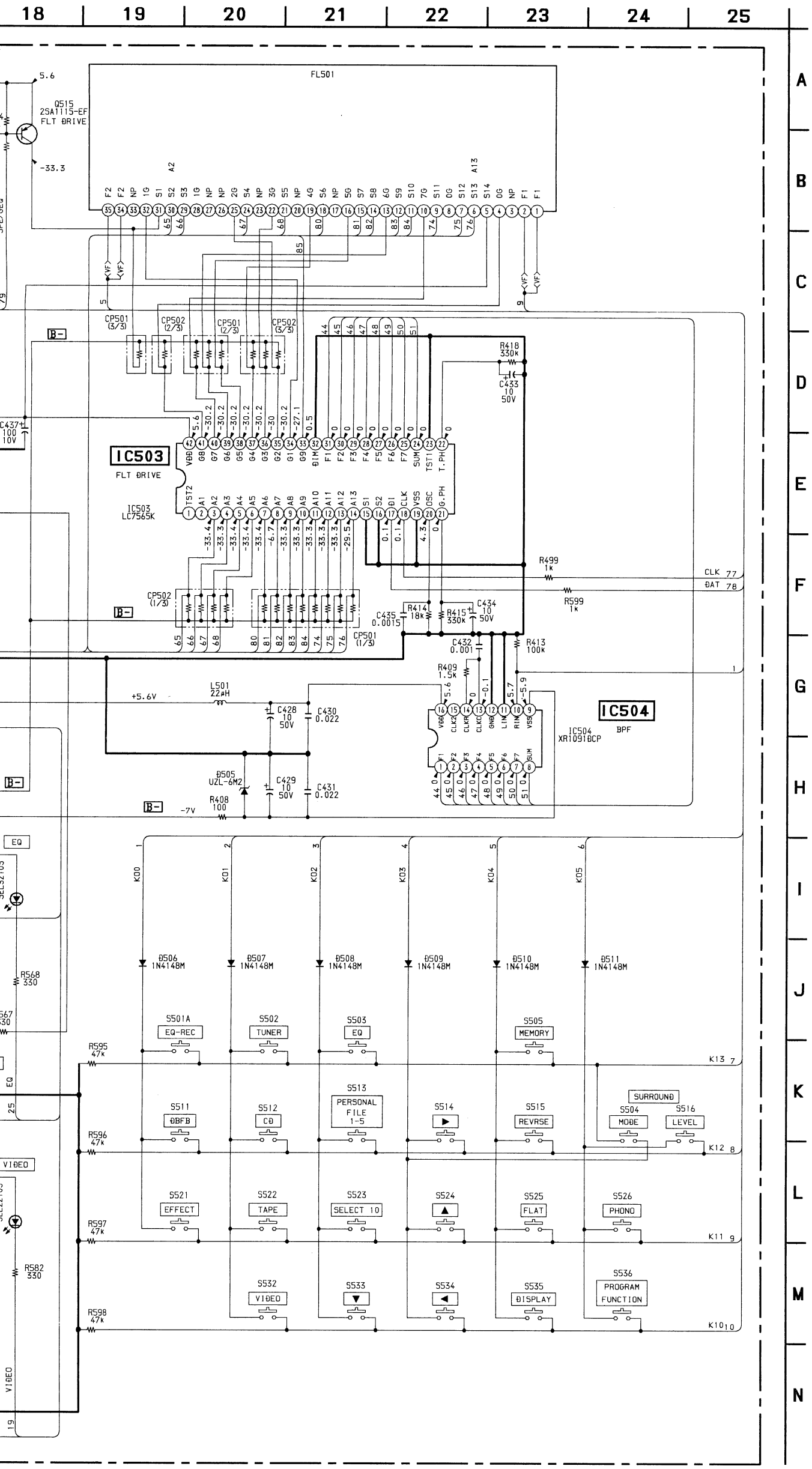
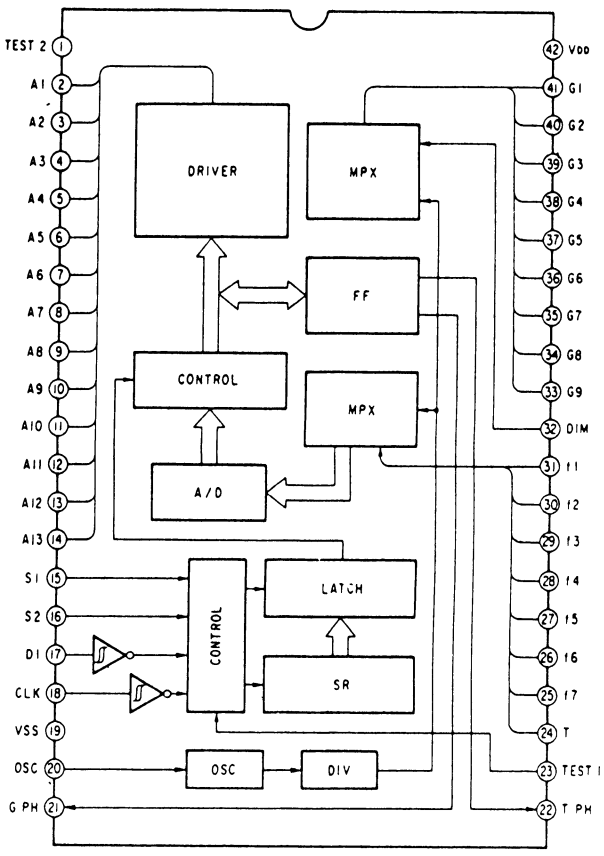
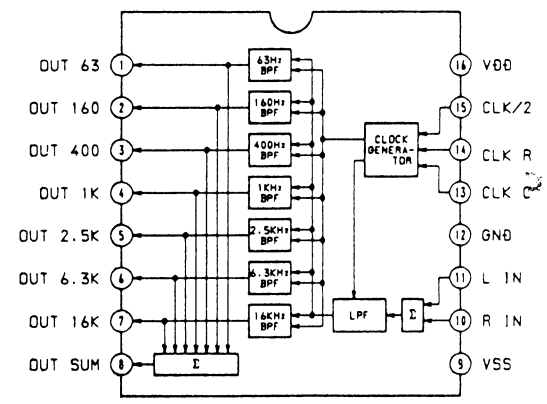


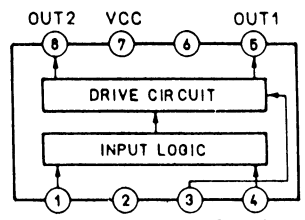
IC503 LC7565K



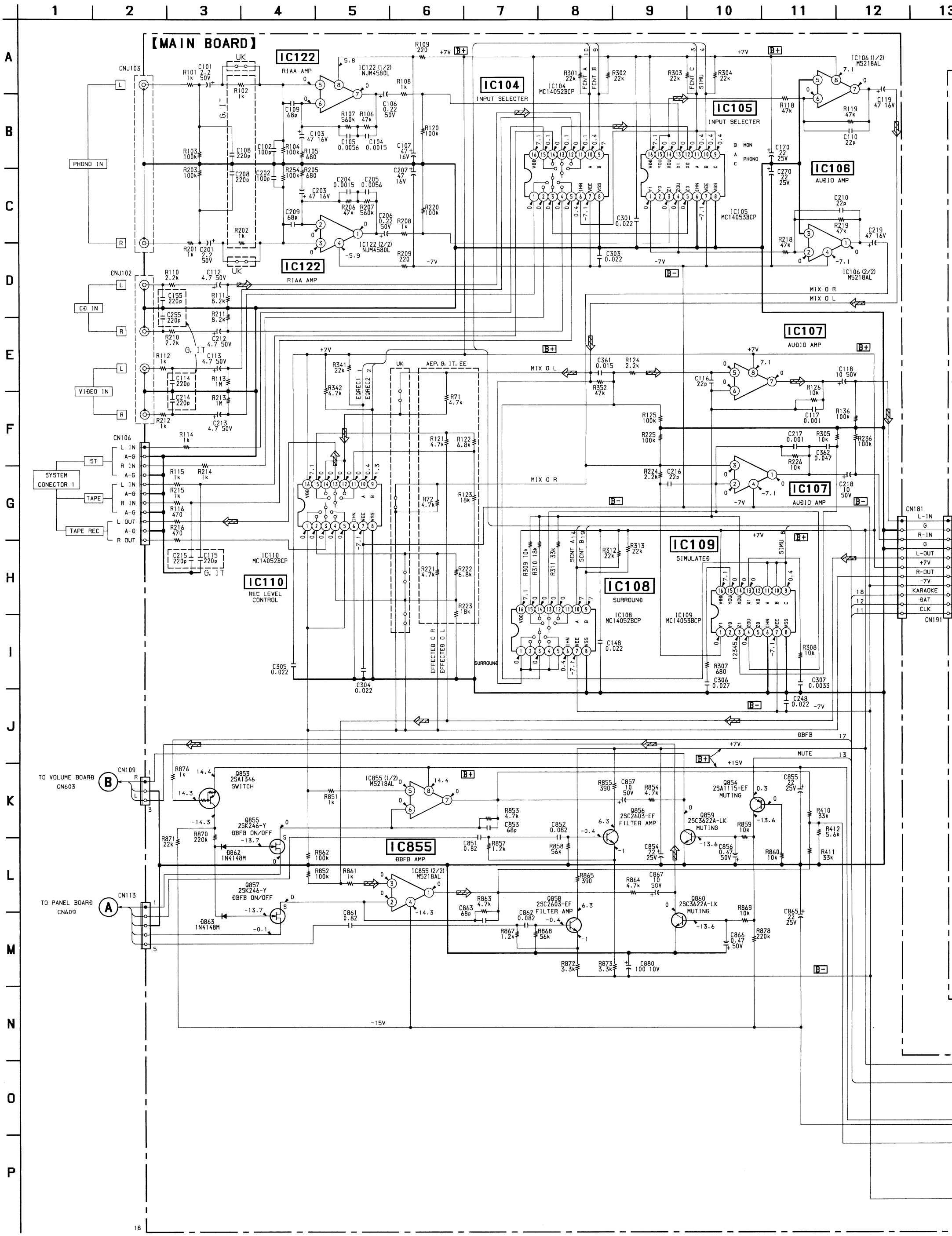
IC504 XR1091DCP



IC601 LB1639



2-3. SCHEMATIC DIAGRAMS – MAIN Section –



12 13 14 15 16 17 18 19 20 21 22 23 24

【GEQ BOARD】

TO VOLUME BOARD CN602

C

CN107 R-CH VOL-G L-CH

IC106 (1/2) M5218AL

IC106 AUDIO AMP

IC106 (2/2) M5218AL

IC103 POWER AMP

IC103 STK4152MK2K (1/2)

IC103 STK4152MK2K (2/2)

IC111 GEQ

IC111 M5289P

IC112 ELECTRONIC VOLUME

IC112 LC7522K

IC113 GEQ

IC113 M5289P

IC121 PROTRCTION

IC121 μPC1237HA

IC101 +7V REG

IC101 M5F7805L

IC102 -7V REG

IC102 M5F7905L

Q102 2SA1346 SWITCH

Q101 2SB1375 REG

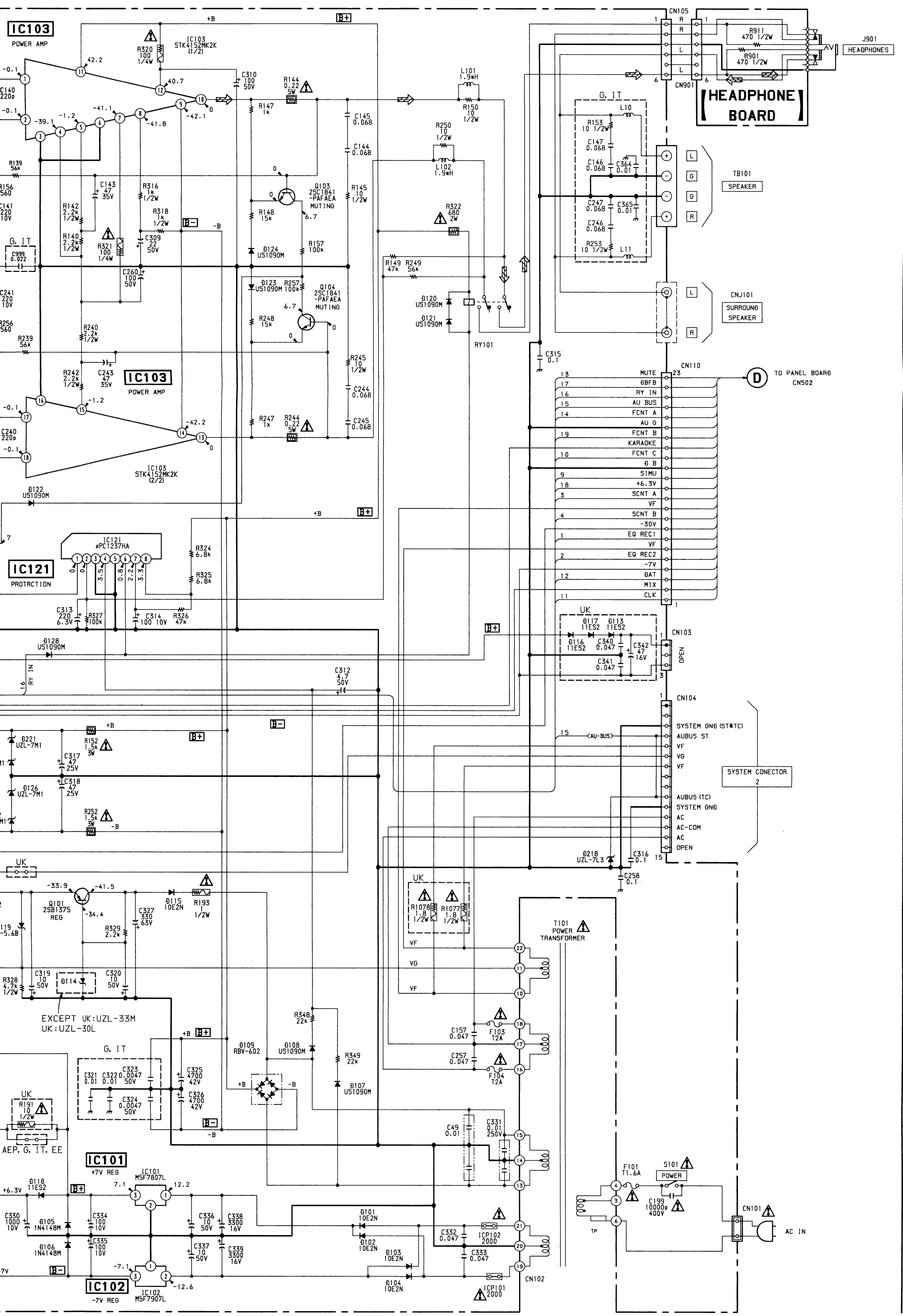
CN181 CN191 L-IN G R-IN G L-OUT +7V R-OUT -7V KARAOKE DAT CLK

EXCEPT UK:UZL-33M UK:UZL-30L

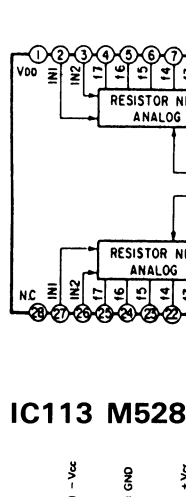
AEP, G, IT, EE

G, IT

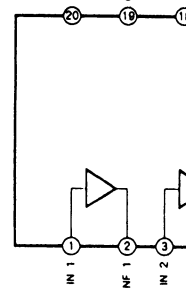
UK



IC103 STK4



IC121 μPC12



IC112 LC752

IC113 M528

Note:

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  50WV or less
  and tantalums.
- All resistors ar
  specified.
- △ : interna
- : nonflar
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- B+ : B+ Line
- B– : B– Line
- : adjustm
- ※ : selected
- AC voltage rea
- Total current is
- Power voltage i
  supply from ext
- Voltage and w
  under no-signal
- Voltages are tak
  Voltage variatio
  tion tolerances.
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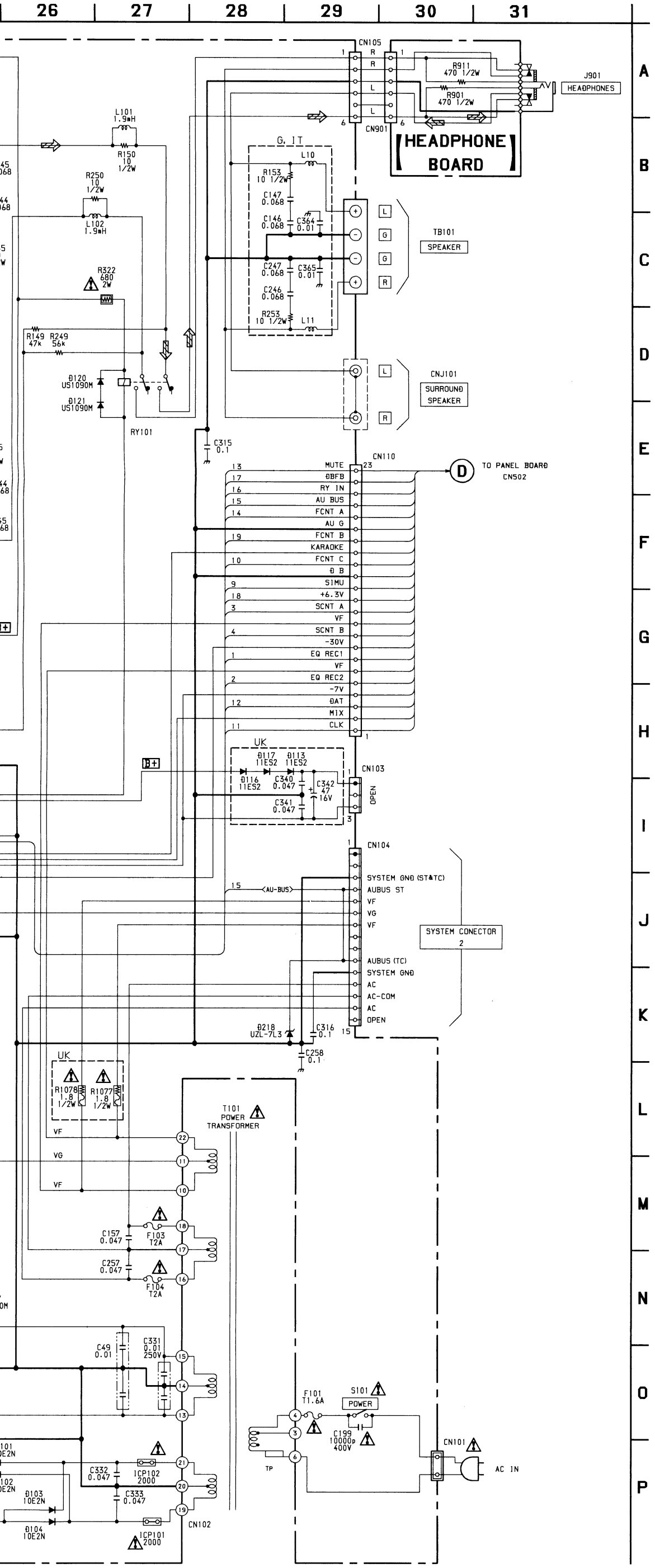
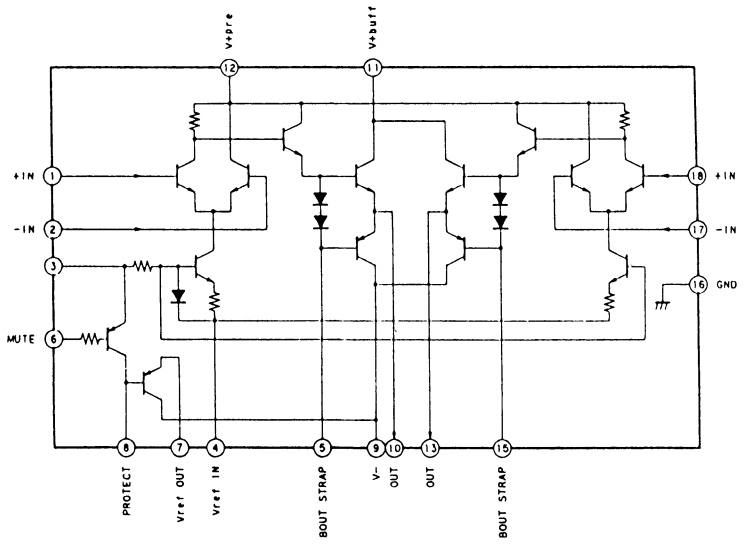
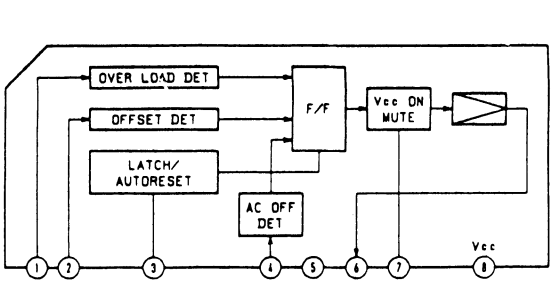


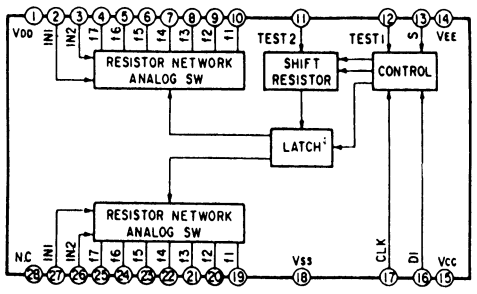
IC103 STK4152MK2K



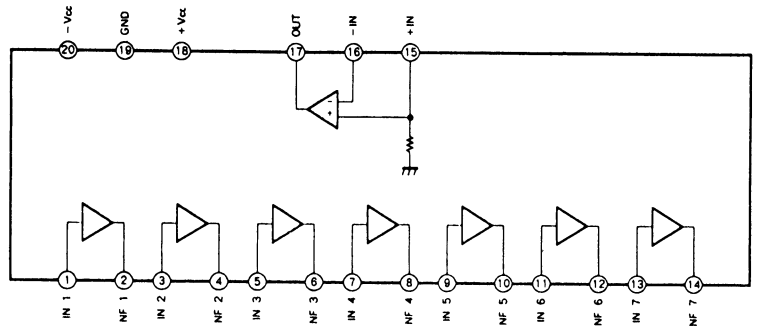
IC121 μPC1237HA



IC112 LC7522K



IC113 M5289P



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● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D55	B-5	D537	J-3	Q853	H-19
D101	G-27	D538	J-2	Q854	I-19
D102	G-27	D539	G-14	Q855	H-19
D103	G-27	D540	I-2	Q856	H-18
D104	H-27	D541	G-2	Q857	H-19
D105	J-18	D542	J-2	Q858	H-18
D106	J-21	D550	G-2	Q859	I-19
D107	J-28	D551	I-6	Q860	I-19
D108	J-28	D552	I-6		
D109	J-28	D553	I-6		
D113	B-23	D554	J-6		
D114	G-30	D555	J-6		
D115	H-30	D566	C-5		
D116	B-24	D601	J-14		
D117	B-23	D603	J-15		
D118	J-18	D862	H-19		
D119	H-29	D863	H-19		
D120	D-22				
D121	D-22	IC101	J-18		
D122	C-22	IC102	J-21		
D123	E-23	IC103	F-23		
D124	E-23	IC104	B-20		
D125	H-21	IC105	C-19		
D126	H-21	IC106	E-20		
D127	D-14	IC107	F-18		
D128	C-22	IC108	F-20		
D218	B-26	IC109	E-18		
D221	H-21	IC110	C-21		
D222	H-21	IC111	E-14		
D501	D-4	IC112	C-13		
D502	C-5	IC113	B-14		
D503	C-1	IC121	C-22		
D505	I-10	IC122	C-18		
D506	G-2	IC501	C-4		
D507	G-2	IC502	D-2		
D508	I-3	IC503	J-7		
D509	I-3	IC504	J-10		
D510	I-3	IC601	I-15		
D511	G-2	IC855	H-20		
D512	C-1				
D521	I-11	Q101	G-29		
D522	I-11	Q102	B-23		
D523	J-11	Q103	E-23		
D524	J-11	Q104	E-23		
D525	I-10	Q511	E-4		
D526	I-10	Q513	G-13		
D527	J-10	Q514	D-5		
D528	J-10	Q515	I-5		
D529	J-10	Q516	I-5		
D530	G-1	Q517	I-5		
D531	G-2	Q518	I-5		
D532	G-3	Q519	J-5		
D533	G-4	Q520	J-5		
D534	G-5	Q521	J-5		
D535	H-14	Q530	D-4		
D536	I-3	Q555	H-2		

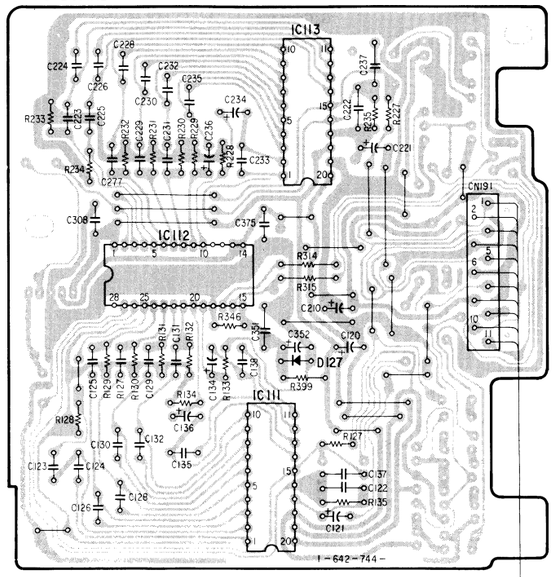
2-4. PRINTED WIRING BOARDS

【PANEL BOARD】

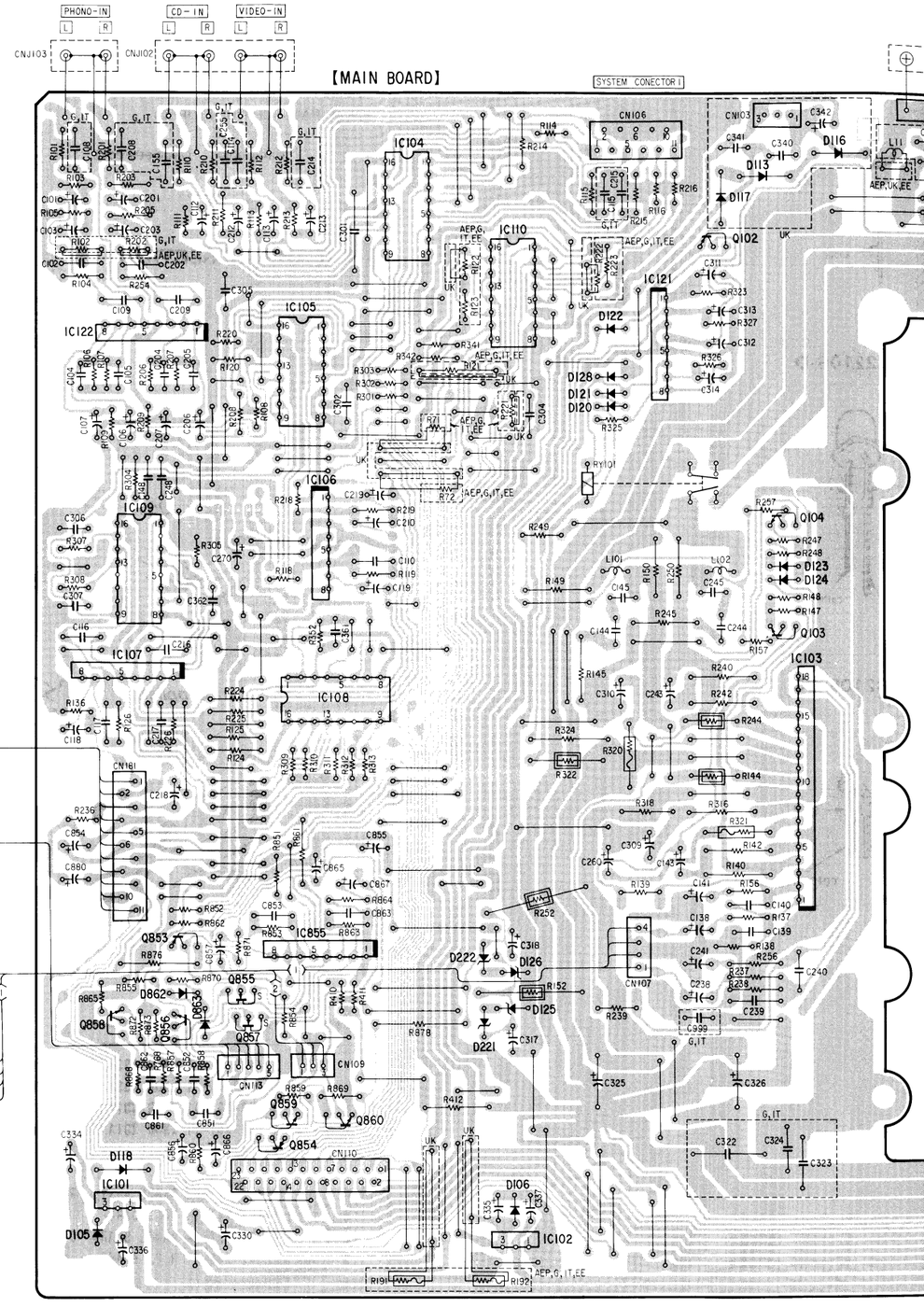
【GEQ BOARD】

FL501 FLUORESCENT INDICATOR TUBE

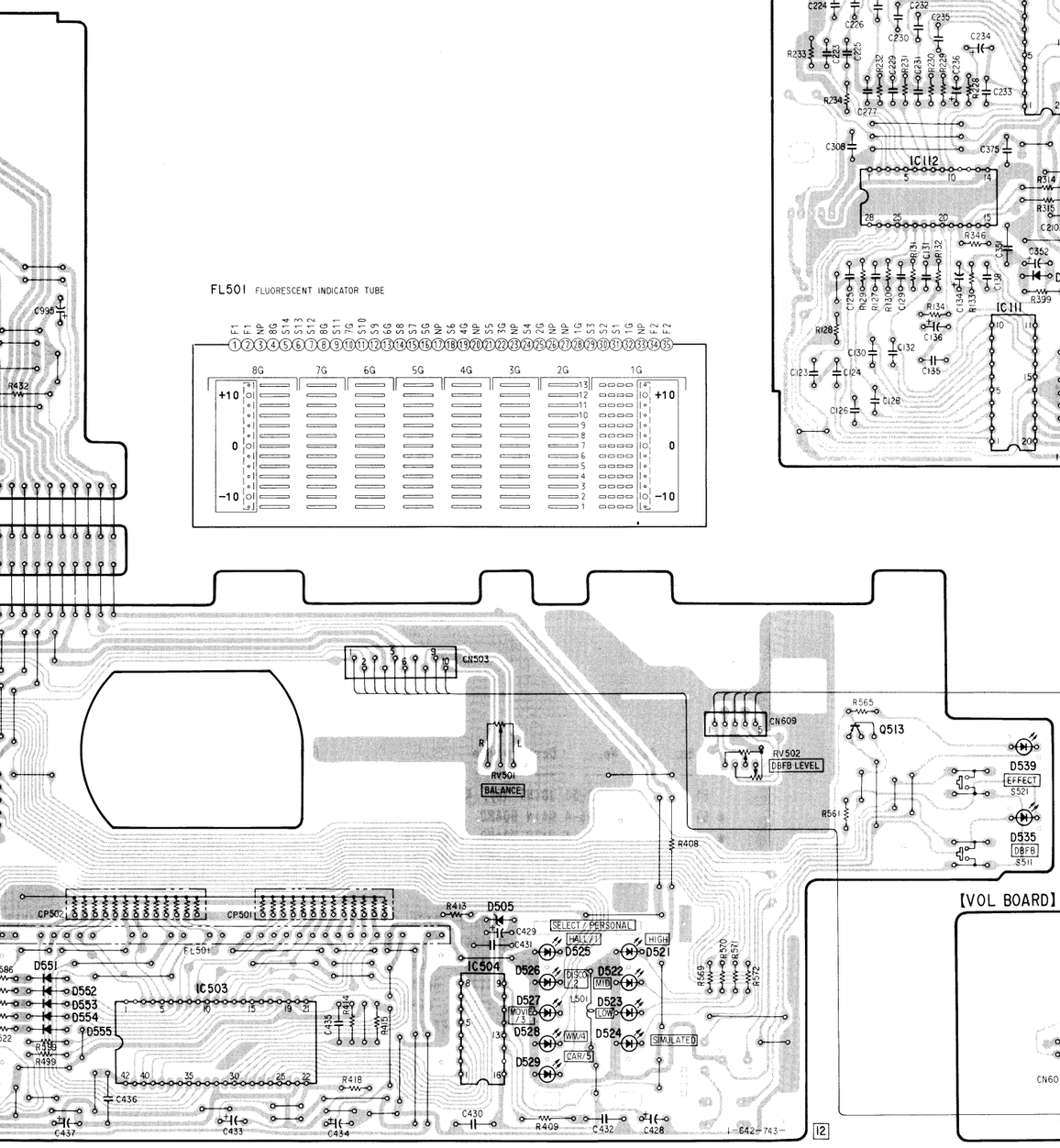
【GEQ BOARD】



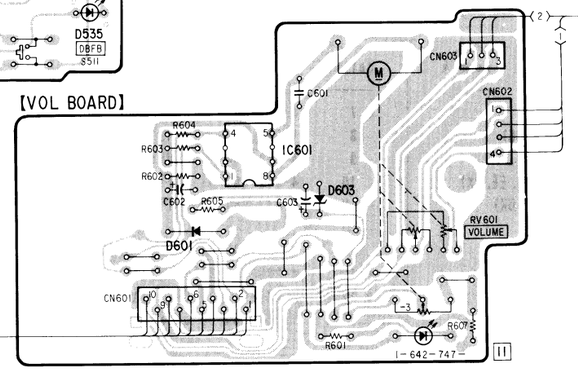
【MAIN BOARD】



FL501 FLUORESCENT INDICATOR TUBE



【VOL BOARD】

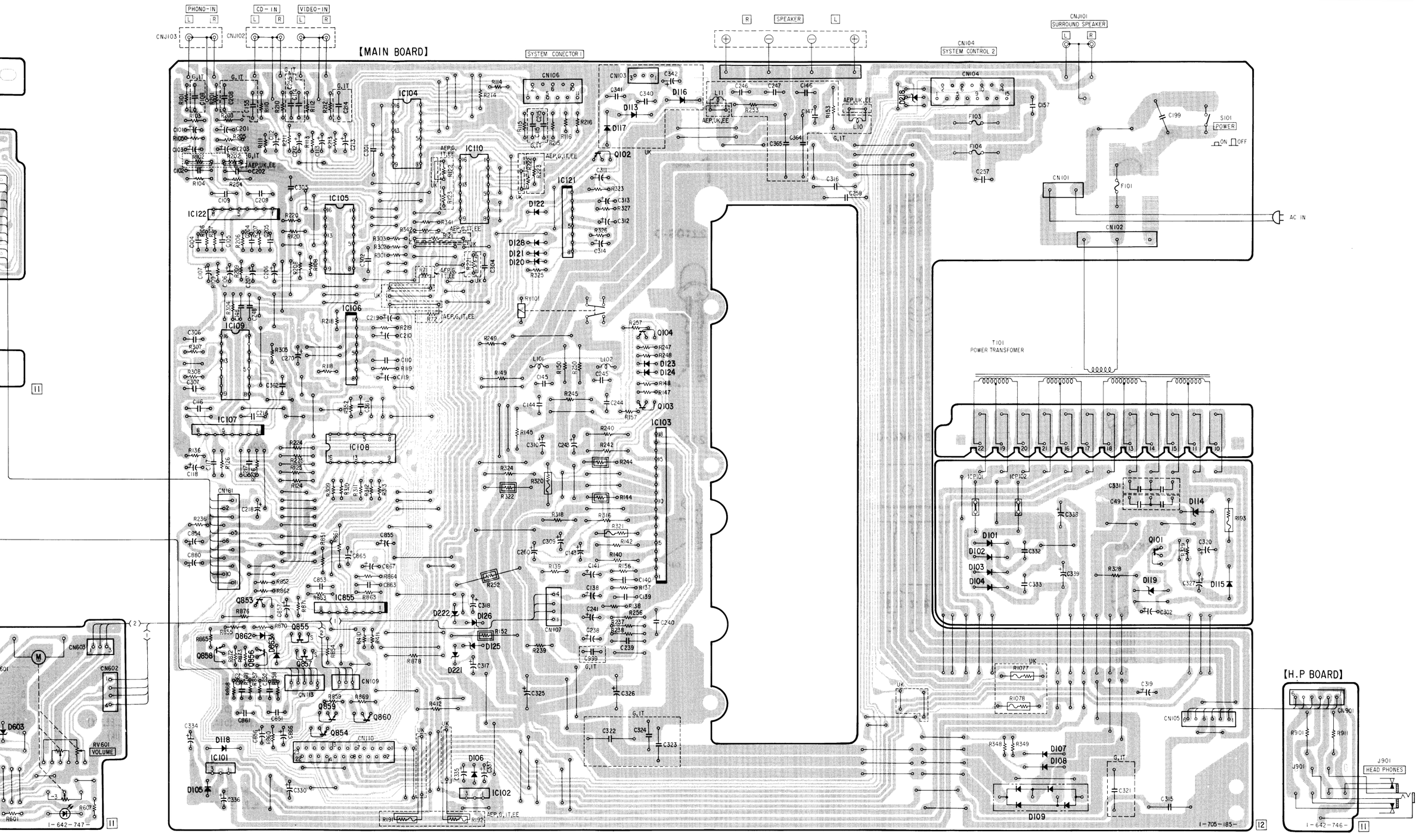


Note:

● ○—— : parts extracted from the component side.

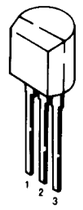
G : Germany
IT : Italian
EE : East European

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

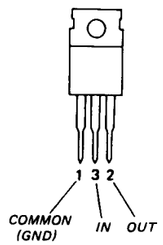


2-5. SEMICONDUCTOR LEAD LAYOUT

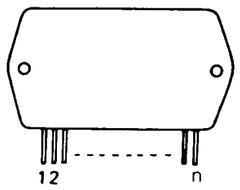
M51943BSL



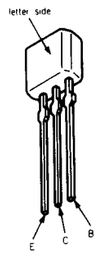
M5F7907



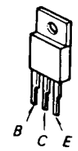
STK-4152MK2K



2SA1175-HFE



2SB1094-LK



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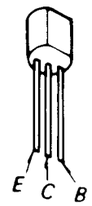
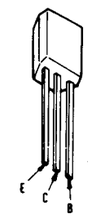
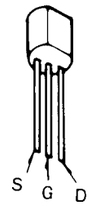


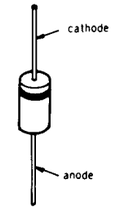
2SC2603-EF
2SC3622A-LK
DTA-124ES
DTC-124ES



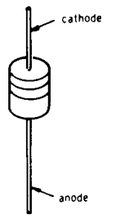
2SK246-Y



10E2N
1N4148M
1S1585



11ES2
HZL-7M1
HZS33-2L
HZS6AIL



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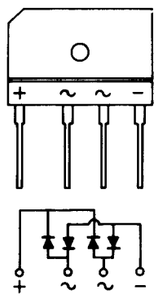
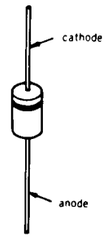
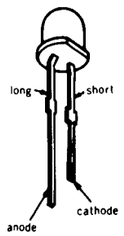


UZL-6L3
UZL-6M2
UZL-7L3
UZP-5.6B



SEL2210S-D



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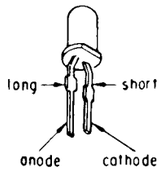
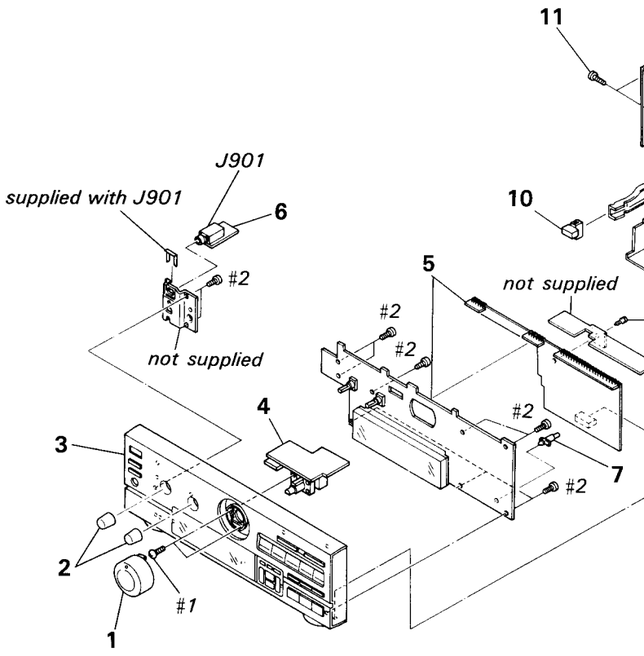


SECTION 3
EXPLODED VIE

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE(WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color

- Items marked " * " are not s
  since they are seldom requir
  routine service. Some delay
  anticipated when ordering th
- The mechanical parts with n
  number in the exploded view
  supplied.
- hardware (#mark) list is given
  last of this parts list.

3-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	X-4942-417-1	KNOB ASSY, ROUND (IT)	
1	X-4942-418-1	KNOB ASSY, ROUND (AEP, G, EE, UK)	
2	4-950-651-01	KNOB (DIA. 16), ROUND (IT)	
2	4-950-651-11	KNOB (DIA. 16), ROUND (AEP, G, EE, UK)	
3	X-4942-431-1	PANEL ASSY, FRONT (AEP, G, EE, UK)	
3	X-4942-433-1	PANEL ASSY, FRONT (IT)	
* 4	1-642-747-11	VOL BOARD	
* 5	A-4347-275-A	PANEL BOARD, COMPLETE	
* 6	1-642-746-11	H.P. BOARD	

Ref. No
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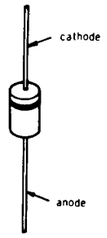
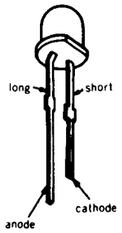
* 12
* 12
J901

SECTION 3
EXPLODED VIEWS

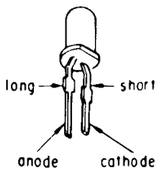
UZL-6L3
UZL-6M2
UZL-7L3
UZP-5.6B



SEL2210S-D



SEL3210S-CD



NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE(WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- hardware (#mark) list is given in the last of this parts list.

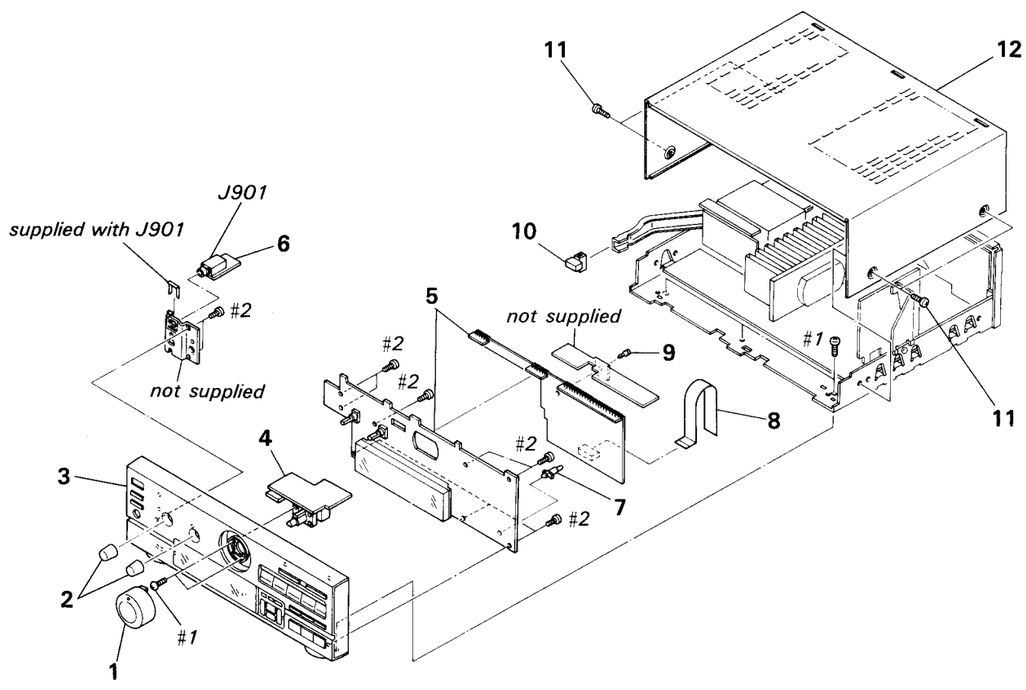
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

G: Germany

IT: Italian

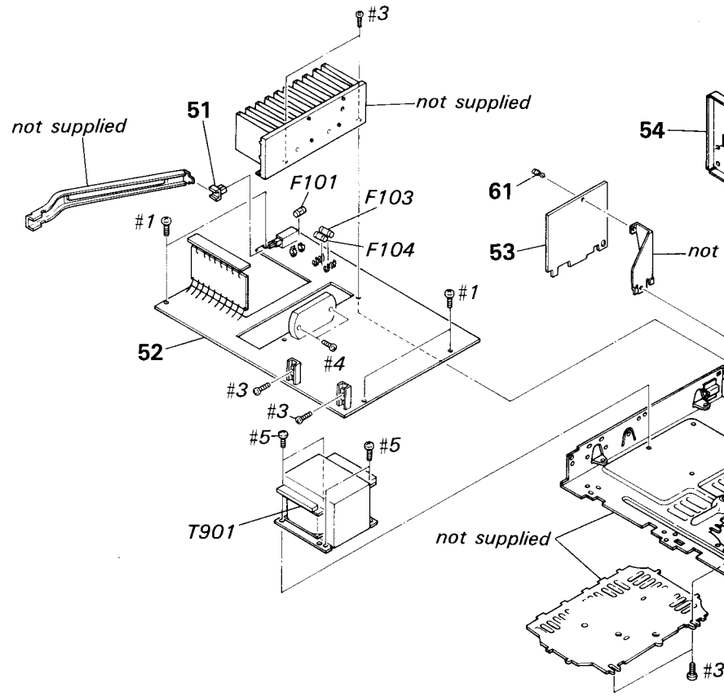
EE: East European

3-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	X-4942-417-1	KNOB ASSY, ROUND (IT)	
1	X-4942-418-1	KNOB ASSY, ROUND (AEP, G, EE, UK)	
2	4-950-651-01	KNOB (DIA. 16), ROUND (IT)	
2	4-950-651-11	KNOB (DIA. 16), ROUND (AEP, G, EE, UK)	
3	X-4942-431-1	PANEL ASSY, FRONT (AEP, G, EE, UK)	
3	X-4942-433-1	PANEL ASSY, FRONT (IT)	
* 4	1-642-747-11	VOL BOARD	
* 5	A-4347-275-A	PANEL BOARD, COMPLETE	
* 6	1-642-746-11	H.P. BOARD	
* 7	4-924-098-31	HOLDER, PC BOARD	
8	1-690-697-11	WIRE (FLAT TYPE) (23 CORE)	
9	4-812-134-11	RIVET NYLON, 3.5	
10	4-942-061-01	BUTTON (P) (IT)	
10	4-942-061-11	BUTTON (P) (AEP, G, EE, UK)	
11	3-363-099-01	SCREW (CASE +3X8 TP2)	
* 12	4-939-803-91	CASE (IT)	
* 12	4-949-912-11	CASE (AEP, G, EE, UK)	
J901	1-507-854-00	JACK, PHONE	

3-2. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	4-866-342-00	JOINT (B), KNOB	
* 52	A-4347-265-A	MAIN BOARD, COMPLETE (UK)	
* 52	A-4347-266-A	MAIN BOARD, COMPLETE (AEP, EE)	
* 52	A-4347-272-A	MAIN BOARD, COMPLETE (G, IT)	
* 53	A-4347-276-A	GEQ BOARD, COMPLETE	
* 54	4-950-662-11	PANEL (B3120), BACK (AEP, EE)	
* 54	4-950-662-21	PANEL (B3120), BACK (UK)	
* 54	4-950-662-41	PANEL (B3120), BACK (G)	
* 54	4-950-662-51	PANEL (B3120), BACK (IT)	
* 55	3-703-244-00	BUSHING (2104), CORD	
⚠ 56	1-575-654-11	CORD, POWER (AEP, G, IT, EE)	

Ref. No.	Part No.
⚠ 56	1-575-669-
57	4-947-010-
* 58	4-949-235-
59	4-931-169-
* 60	4-932-867-
61	4-812-134-
⚠ F101	1-532-259-
⚠ F103	1-532-203-
⚠ F104	1-532-203-
⚠ T901	1-450-812-

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Remark

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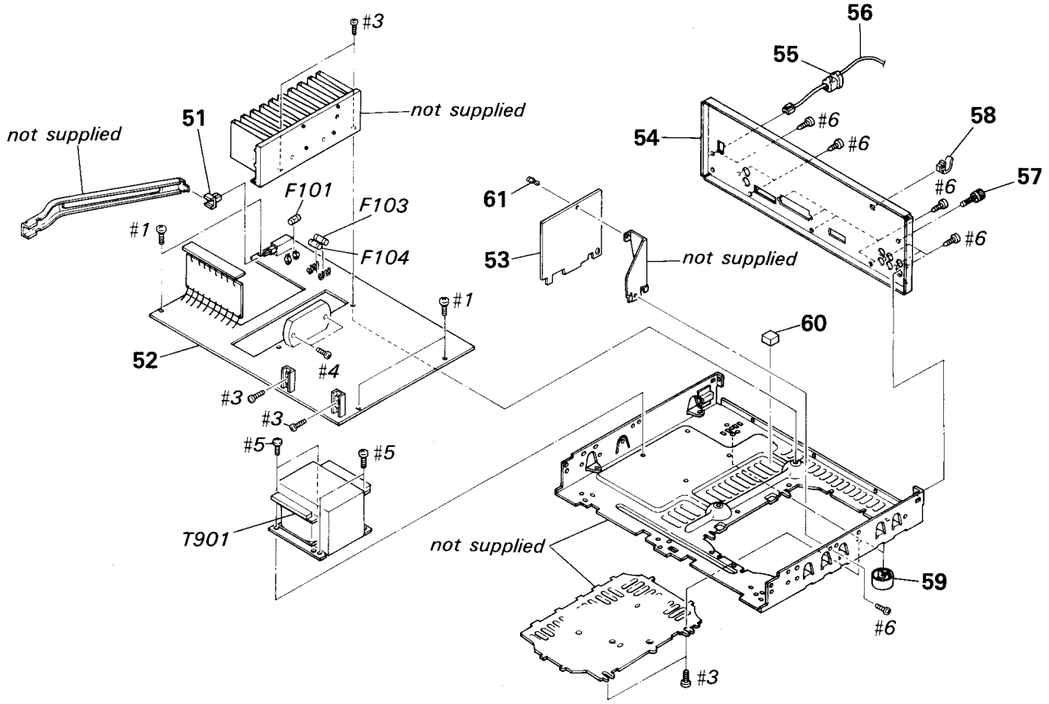
3-2. MAIN BOARD SECTION



Ref.No.	Part No.	Description	Remark
51	4-866-342-00	JOINT (B), KNOB	
* 52	A-4347-265-A	MAIN BOARD, COMPLETE (UK)	
* 52	A-4347-266-A	MAIN BOARD, COMPLETE (AEP, EE)	
* 52	A-4347-272-A	MAIN BOARD, COMPLETE (G, IT)	
* 53	A-4347-276-A	GEQ BOARD, COMPLETE	
* 54	4-950-662-11	PANEL (B3120), BACK (AEP, EE)	
* 54	4-950-662-21	PANEL (B3120), BACK (UK)	
* 54	4-950-662-41	PANEL (B3120), BACK (G)	
* 54	4-950-662-51	PANEL (B3120), BACK (IT)	
* 55	3-703-244-00	BUSHING (2104), CORD	
⚠56	1-575-654-11	CORD, POWER (AEP, G, IT, EE)	
⚠56	1-575-669-21	CORD, POWER (UK)	
57	4-947-010-01	SCREW, FEEDER FIXED	
* 58	4-949-235-01	HOOK	
59	4-931-169-01	FOOT	
* 60	4-932-867-01	CUSHION	
61	4-812-134-11	RIVET NYLON, 3.5	
⚠F101	1-532-259-00	FUSE (T1.6A)	
⚠F103	1-532-203-00	FUSE (T2.0A)	
⚠F104	1-532-203-00	FUSE (T2.0A)	
⚠T901	1-450-812-11	TRANSFORMER, POWER	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

SECTION 4
ELECTRICAL PARTS LIST

MAIN

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS
  All resistors are in ohms
  METAL:Metal-film resistor
  METAL OXIDE:Metal Oxide-film resistor
  F:nonflammable
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indication parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

G:Germany

IT:Italian

EE:East European

Ref.No.	Part No.	Description			Remark
*	A-4347-266-A	MAIN BOARD, COMPLETE (AEP, EE)			
*	A-4347-272-A	MAIN BOARD, COMPLETE (G, IT)			
*	A-4347-265-A	MAIN BOARD, COMPLETE (UK)			
		**********			
*	1-533-213-31	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
*	4-942-204-01	PLATE, GROUND			
	7-682-548-04	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C49	1-102-394-11	CERAMIC	0.01uF		250V
C101	1-126-161-11	ELECT	2.2uF	20%	50V
C102	1-162-282-31	CERAMIC	100PF	10%	50V
C103	1-126-022-11	ELECT	47uF	20%	16V
C104	1-106-347-00	MYLAR	1500PF	5%	200V
C105	1-130-480-00	MYLAR	0.0056uF	5%	50V
C106	1-124-464-11	ELECT	0.22uF	20%	50V
C107	1-126-022-11	ELECT	47uF	20%	16V
C108	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C109	1-162-219-31	CERAMIC	68PF	5%	50V
C110	1-162-207-31	CERAMIC	22PF	5%	50V
C112	1-126-163-11	ELECT	4.7uF	20%	50V
C113	1-126-163-11	ELECT	4.7uF	20%	50V
C114	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C115	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C116	1-162-219-31	CERAMIC	68PF	5%	50V
C117	1-162-294-31	CERAMIC	0.001uF	10%	50V
C118	1-126-059-11	ELECT	10uF	20%	50V
C119	1-126-022-11	ELECT	47uF	20%	16V
C138	1-126-059-11	ELECT	10uF	20%	50V
C139	1-162-282-31	CERAMIC	100PF	10%	50V
C140	1-162-286-31	CERAMIC	220PF	10%	50V
C141	1-126-101-11	ELECT	100uF	20%	16V
C143	1-124-910-11	ELECT	47uF	20%	50V
C144	1-136-163-00	FILM	0.068uF	5%	50V
C145	1-136-163-00	FILM	0.068uF	5%	50V
C146	1-136-163-00	FILM	0.068uF	5%	50V (G, IT)
C147	1-136-163-00	FILM	0.068uF	5%	50V (G, IT)
C148	1-161-494-00	CERAMIC	0.022uF		25V
C155	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C157	1-136-161-00	FILM	0.047uF	5%	50V
C170	1-126-049-11	ELECT	22uF	20%	25V
⚠C199	1-161-744-00	CERAMIC	0.01uF		400V
C201	1-126-161-11	ELECT	2.2uF	20%	50V
C202	1-162-282-31	CERAMIC	100PF	10%	50V
C203	1-126-022-11	ELECT	47uF	20%	16V
C204	1-106-347-00	MYLAR	1500PF	5%	200V
C205	1-130-480-00	MYLAR	0.0056uF	5%	50V
C206	1-124-464-11	ELECT	0.22uF	20%	50V
C207	1-126-022-11	ELECT	47uF	20%	16V
C208	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C209	1-162-219-31	CERAMIC	68PF	5%	50V
C210	1-162-207-31	CERAMIC	22PF	5%	50V
C212	1-126-163-11	ELECT	4.7uF	20%	50V
C213	1-126-163-11	ELECT	4.7uF	20%	50V
C214	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C215	1-162-286-31	CERAMIC	220PF	10%	50V (G, IT)
C216	1-162-219-31	CERAMIC	68PF	5%	50V
C217	1-162-294-31	CERAMIC	0.001uF	10%	50V
C218	1-126-059-11	ELECT	10uF	20%	50V
C219	1-126-022-11	ELECT	47uF	20%	16V
C238	1-126-059-11	ELECT	10uF	20%	50V
C239	1-162-282-31	CERAMIC	100PF	10%	50V
C240	1-162-286-31	CERAMIC	220PF	10%	50V
C241	1-126-101-11	ELECT	100uF	20%	16V
C243	1-124-910-11	ELECT	47uF	20%	50V
C244	1-136-163-00	FILM	0.068uF	5%	50V

Ref. No.	Part No.	Description			Remark
C245	1-136-163-00	FILM	0.068uF	5%	50V
C246	1-136-163-00	FILM	0.068uF	5%	50V (G, IT)
C247	1-136-163-00	FILM	0.068uF	5%	50V (G, IT)
C248	1-161-494-00	CERAMIC	0.022uF		25V
C255	1-161-286-31	CERAMIC	220PF	10%	50V (G, IT)
C257	1-136-161-00	FILM	0.047uF	5%	50V
C258	1-164-159-11	CERAMIC	0.1uF		50V
C260	1-124-122-11	ELECT	100uF	20%	50V
C270	1-126-049-11	ELECT	22uF	20%	25V
C301	1-161-494-00	CERAMIC	0.022uF		25V
C302	1-126-059-11	ELECT	10uF	20%	50V
C303	1-161-494-00	CERAMIC	0.022uF		25V
C304	1-161-494-00	CERAMIC	0.022uF		25V
C305	1-161-494-00	CERAMIC	0.022uF		25V
C306	1-136-158-00	FILM	0.027uF	5%	50V
C307	1-130-477-00	MYLAR	0.0033uF	5%	50V
C309	1-126-233-11	ELECT	22uF	20%	50V
C310	1-124-122-11	ELECT	100uF	20%	50V
C311	1-124-587-11	ELECT	220uF	20%	6.3V
C312	1-126-163-11	ELECT	4.7uF	20%	50V
C313	1-124-587-11	ELECT	220uF	20%	6.3V
C314	1-124-994-11	ELECT	100uF	20%	10V
C315	1-164-159-11	CERAMIC	0.1uF		50V
C316	1-164-159-11	CERAMIC	0.1uF		50V
C317	1-124-910-11	ELECT	47uF	20%	50V
C318	1-124-910-11	ELECT	47uF	20%	50V
C319	1-126-059-11	ELECT	10uF	20%	50V
C320	1-126-059-11	ELECT	10uF	20%	50V
C321	1-161-379-00	CERAMIC	0.01MF	30%	25V (G, IT)
C322	1-161-379-00	CERAMIC	0.01MF	30%	25V (G, IT)
C323	1-161-377-00	CERAMIC	0.0047MF	20%	50V (G, IT)
C324	1-161-377-00	CERAMIC	0.0047MF	20%	50V (G, IT)
C325	1-126-224-11	ELECT	4700uF	20%	42V
C326	1-126-224-11	ELECT	4700uF	20%	42V
C327	1-124-920-11	ELECT	330uF	20%	63V
C330	1-124-473-11	ELECT	1000uF	20%	10V
C331	1-102-394-11	CERAMIC	0.01uF		250V
C332	1-136-161-00	FILM	0.047uF	5%	50V
C333	1-136-161-00	FILM	0.047uF	5%	50V
C334	1-124-994-11	ELECT	100uF	20%	10V
C335	1-124-994-11	ELECT	100uF	20%	10V
C336	1-126-059-11	ELECT	10uF	20%	50V
C337	1-126-059-11	ELECT	10uF	20%	50V
C338	1-124-887-00	ELECT	3300uF	20%	16V
C339	1-124-887-00	ELECT	3300uF	20%	16V
C340	1-136-161-00	FILM	3300uF	5%	50V (UK)
C341	1-136-161-00	FILM	3300uF	5%	50V (UK)
C342	1-126-022-11	FILM	3300uF	5%	50V (UK)

Ref. No.	Part No.	Description			Remark
C361	1-136-155-00	FILM	0.015uF	5%	50V
C362	1-136-161-00	FILM	0.047uF	5%	50V
C364	1-161-379-00	CERAMIC	0.01uF	30%	25V (G, IT)
C365	1-161-379-00	CERAMIC	0.01uF	30%	25V (G, IT)
C851	1-136-176-00	FILM	0.82uF	5%	50V
C852	1-136-164-00	FILM	0.082uF	5%	50V
C853	1-162-219-31	CERAMIC	68PF	5%	50V
C854	1-126-049-11	ELECT	22uF	20%	25V
C855	1-126-049-11	ELECT	22uF	20%	25V
C856	1-126-300-11	ELECT	0.47uF	20%	50V
C857	1-126-059-11	ELECT	10uF	20%	50V
C861	1-136-176-00	FILM	0.82uF	5%	50V
C862	1-136-164-00	FILM	0.082uF	5%	50V
C863	1-162-219-31	CERAMIC	68PF	5%	50V
C865	1-126-049-11	ELECT	22uF	20%	25V
C866	1-126-300-11	ELECT	0.47uF	20%	50V
C867	1-126-059-11	ELECT	10uF	20%	50V
C880	1-124-994-11	ELECT	100uF	20%	10V
C999	1-161-494-00	CERAMIC	0.022MF		25V (G, IT)

< CONNECTOR >

* CN101	1-564-321-00	PIN, CONNECTOR 2P	
CN102	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
* CN103	1-564-358-00	PIN, CONNECTOR 3P	(UK)
* CN104	1-566-859-11	SOCKET, CONNECTOR 15P	
* CN105	1-564-509-11	PLUG, CONNECTOR 6P	
* CN106	1-566-858-41	SOCKET, CONNECTOR 11P	
* CN107	1-564-507-11	PLUG, CONNECTOR 4P	
* CN109	1-564-337-00	PIN, CONNECTOR 3P	
* CN110	1-568-839-11	SOCKET, CONNECTOR 23P	
* CN113	1-564-339-00	PIN, CONNECTOR 5P	
* CN181	1-573-978-11	CONNECTOR, BOARD TO BOARD 11P	
CNJ101	1-565-352-41	JACK, PIN 2P	
CNJ102	1-565-258-11	JACK, PIN 4P	
CNJ103	1-565-352-11	JACK, PIN 2P	

< DIODE >

D101	8-719-200-77	DIODE	10E2N
D102	8-719-200-77	DIODE	10E2N
D103	8-719-200-77	DIODE	10E2N
D104	8-719-200-77	DIODE	10E2N
D105	8-719-987-63	DIODE	1N4148M
D106	8-719-987-63	DIODE	1N4148M
D107	8-719-815-85	DIODE	1S1585
D108	8-719-815-85	DIODE	1S1585
D109	8-719-302-38	DIODE	RBV-602-01
D113	8-719-200-82	DIODE	11ES2 (UK)
D114	8-719-934-21	DIODE	HZS30-1L (UK)
D114	8-719-002-66	DIODE	HZS33-2L (EXCEPT UK)
D115	8-719-200-77	DIODE	10E2N

MAIN

Ref. No.	Part No.	Description	Remark
D116	8-719-200-82	DIODE 11ES2 (UK)	
D117	8-719-200-82	DIODE 11ES2 (UK)	
D118	8-719-200-82	DIODE 11ES2	
D119	8-719-014-66	DIODE UZP-5.6B	
D120	8-719-815-85	DIODE 1S1585	
D121	8-719-815-85	DIODE 1S1585	
D122	8-719-815-85	DIODE 1S1585	
D123	8-719-815-85	DIODE 1S1585	
D124	8-719-815-85	DIODE 1S1585	
D125	8-719-000-84	DIODE UZL-7M1	
D126	8-719-000-84	DIODE UZL-7M1	
D128	8-719-815-85	DIODE 1S1585	
D218	8-719-000-81	DIODE UZL-7L3	
D221	8-719-000-84	DIODE UZL-7M1	
D222	8-719-000-84	DIODE UZL-7M1	
D862	8-719-987-63	DIODE 1N4148M	
D863	8-719-987-63	DIODE 1N4148M	
		< FUSE >	
⚠F101	1-532-259-00	FUSE (T1.6A)	
⚠F103	1-532-203-00	FUSE (T2.0A)	
⚠F104	1-532-203-00	FUSE (T2.0A)	
		< IC >	
IC101	8-759-604-86	IC M5F7807L	
IC102	8-759-604-90	IC M5F7907L	
IC103	8-749-920-09	IC STK-4152MK2K	
IC104	8-759-000-48	IC MC14052BCP	
IC105	8-759-140-53	IC MC14053BC	
IC106	8-759-634-50	IC M5218AL	
IC107	8-759-634-50	IC M5218AL	
IC108	8-759-000-48	IC MC14052BCP	
IC109	8-759-140-53	IC MC14053BCP	
IC110	8-759-000-48	IC MC14052BCP	
IC121	8-759-111-68	IC uPC1237HA	
IC122	8-759-710-73	IC NJM4580L	
IC855	8-759-634-50	IC M5218AL	
		< LINK, IC >	
⚠ICP101	1-532-842-11	LINK, IC	
⚠ICP102	1-532-842-11	LINK, IC	
		< COIL >	
* L10	1-420-872-00	COIL, AIR CORE 1.9uH	(G, IT)
* L11	1-420-872-00	COIL, AIR CORE 1.9uH	(G, IT)
* L101	1-420-872-00	COIL, AIR CORE 1.9uH	
* L102	1-420-872-00	COIL, AIR CORE 1.9uH	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q101	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q102	8-729-900-63	TRANSISTOR DTA124ES	
Q103	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q104	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q853	8-729-900-63	TRANSISTOR DTA124ES	
Q854	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q855	8-729-224-61	TRANSISTOR 2SK246-Y	
Q856	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q857	8-729-224-61	TRANSISTOR 2SK246-Y	
Q858	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q859	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q860	8-729-141-26	TRANSISTOR 2SC3622A-LK	
		< RESISTOR >	
R71	1-249-425-11	CARBON 4.7K 5% 1/4W	(AEP, G, IT, EE)
R72	1-249-425-11	CARBON 4.7K 5% 1/4W	(AEP, G, IT, EE)
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	(G , IT)
R103	1-249-441-11	CARBON 100K 5% 1/4W	
R104	1-249-441-11	CARBON 100K 5% 1/4W	
R105	1-249-415-11	CARBON 680 5% 1/4W	
R106	1-249-437-11	CARBON 47K 5% 1/4W	
R107	1-247-897-11	CARBON 560K 5% 1/4W	
R108	1-249-417-11	CARBON 1K 5% 1/4W	
R109	1-249-409-11	CARBON 220 5% 1/4W	
R110	1-249-421-11	CARBON 2.2K 5% 1/4W	
R111	1-249-428-11	CARBON 8.2K 5% 1/4W	
R112	1-249-417-11	CARBON 1K 5% 1/4W	
R113	1-247-903-00	CARBON 1M 5% 1/4W	
R114	1-249-417-11	CARBON 1K 5% 1/4W	
R115	1-249-417-11	CARBON 1K 5% 1/4W	
R116	1-249-413-11	CARBON 470 5% 1/4W	
R118	1-249-437-11	CARBON 47K 5% 1/4W	
R119	1-249-437-11	CARBON 47K 5% 1/4W	
R120	1-249-441-11	CARBON 100K 5% 1/4W	
R121	1-249-425-11	CARBON 4.7K 5% 1/4W	(AEP, G, IT, EE)
R122	1-249-427-11	CARBON 6.8K 5% 1/4W	(AEP, G, IT, EE)
R123	1-249-432-11	CARBON 18K 5% 1/4W	(AEP, G, IT, EE)
R124	1-249-421-11	CARBON 2.2K 5% 1/4W	
R125	1-249-441-11	CARBON 100K 5% 1/4W	
R126	1-249-429-11	CARBON 10K 5% 1/4W	
R136	1-249-441-11	CARBON 100K 5% 1/4W	
R137	1-249-417-11	CARBON 1K 5% 1/4W	
R138	1-249-438-11	CARBON 56K 5% 1/4W	
R139	1-249-438-11	CARBON 56K 5% 1/4W	
R140	1-247-756-11	CARBON 2.2K 5% 1/2W	
R142	1-247-756-11	CARBON 2.2K 5% 1/2W	

Ref. No.	Part No.	Description				Remark
⚠R144	1-217-156-00	RES, METAL PLATE	0.22		5W	F
R145	1-247-727-11	CARBON	10	5%	1/2W	
R147	1-249-417-11	CARBON	1K	5%	1/4W	
R148	1-249-431-11	CARBON	15K	5%	1/4W	
R149	1-249-437-11	CARBON	47K	5%	1/4W	
R150	1-247-727-11	CARBON	10	5%	1/2W	
⚠R152	1-215-918-00	METAL OXIDE	1.5K	5%	3W	F
R153	1-247-727-11	CARBON	10	5%	1/2W	(G, IT)
R156	1-249-414-11	CARBON	560	5%	1/4W	
R157	1-249-441-11	CARBON	100K	5%	1/4W	
R191	1-212-958-00	FUSIBLE	10	5%	1/2W	F (UK)
R192	1-212-958-00	FUSIBLE	10	5%	1/2W	F (UK)
⚠R193	1-212-934-00	FUSIBLE	1	5%	1/2W	F
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	(G, IT)
R203	1-249-441-11	CARBON	100K	5%	1/4W	
R205	1-249-415-11	CARBON	680	5%	1/4W	
R206	1-249-437-11	CARBON	47K	5%	1/4W	
R207	1-247-897-11	CARBON	560K	5%	1/4W	
R208	1-249-417-11	CARBON	1K	5%	1/4W	
R209	1-249-409-11	CARBON	220	5%	1/4W	
R210	1-249-421-11	CARBON	2.2K	5%	1/4W	
R211	1-249-428-11	CARBON	8.2K	5%	1/4W	
R212	1-249-417-11	CARBON	1K	5%	1/4W	
R213	1-247-903-00	CARBON	1M	5%	1/4W	
R214	1-249-417-11	CARBON	1K	5%	1/4W	
R215	1-249-417-11	CARBON	1K	5%	1/4W	
R216	1-249-413-11	CARBON	470	5%	1/4W	
R218	1-249-437-11	CARBON	47K	5%	1/4W	
R219	1-249-437-11	CARBON	47K	5%	1/4W	
R220	1-249-441-11	CARBON	100K	5%	1/4W	
R221	1-249-425-11	CARBON	4.7K	5%	1/4W	(AEP, G, IT, EE)
R222	1-249-427-11	CARBON	6.8K	5%	1/4W	(AEP, G, IT, EE)
R223	1-249-432-11	CARBON	18K	5%	1/4W	(AEP, G, IT, EE)
R224	1-249-421-11	CARBON	2.2K	5%	1/4W	
R225	1-249-441-11	CARBON	100K	5%	1/4W	
R226	1-249-429-11	CARBON	10K	5%	1/4W	
R236	1-249-441-11	CARBON	100K	5%	1/4W	
R237	1-249-417-11	CARBON	1K	5%	1/4W	
R238	1-249-438-11	CARBON	56K	5%	1/4W	
R239	1-249-438-11	CARBON	56K	5%	1/4W	
R240	1-247-756-11	CARBON	2.2K	5%	1/2W	
R242	1-247-756-11	CARBON	2.2K	5%	1/2W	
⚠R244	1-217-156-00	RES, METAL PLATE	0.22		5W	F
R245	1-247-727-11	CARBON	10	5%	1/2W	
R247	1-249-417-11	CARBON	1K	5%	1/4W	
R248	1-249-431-11	CARBON	15K	5%	1/4W	
R249	1-249-438-11	CARBON	56K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R250	1-247-727-11	CARBON	10	5%	1/2W	
⚠R252	1-215-918-00	METAL OXIDE	1.5K	5%	3W	F
R253	1-247-727-11	CARBON	10	5%	1/2W	(G, IT)
R254	1-249-441-11	CARBON	100K	5%	1/4W	
R256	1-249-414-11	CARBON	560	5%	1/4W	
R257	1-249-441-11	CARBON	100K	5%	1/4W	
R301	1-249-433-11	CARBON	22K	5%	1/4W	
R302	1-249-433-11	CARBON	22K	5%	1/4W	
R303	1-249-433-11	CARBON	22K	5%	1/4W	
R304	1-249-433-11	CARBON	22K	5%	1/4W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R307	1-249-415-11	CARBON	680	5%	1/4W	
R308	1-249-429-11	CARBON	10K	5%	1/4W	
R309	1-249-429-11	CARBON	10K	5%	1/4W	
R310	1-249-432-11	CARBON	18K	5%	1/4W	
R311	1-249-435-11	CARBON	33K	5%	1/4W	
R312	1-249-433-11	CARBON	22K	5%	1/4W	
R313	1-249-433-11	CARBON	22K	5%	1/4W	
R316	1-247-752-11	CARBON	1K	5%	1/2W	
R318	1-247-752-11	CARBON	1K	5%	1/2W	
⚠R320	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R321	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R322	1-215-891-11	METAL OXIDE	680	5%	2W	F
R323	1-249-429-11	CARBON	10K	5%	1/4W	
R324	1-249-427-11	CARBON	6.8K	5%	1/4W	
R325	1-249-427-11	CARBON	6.8K	5%	1/4W	
R326	1-249-437-11	CARBON	47K	5%	1/4W	
R327	1-249-441-11	CARBON	100K	5%	1/4W	
R328	1-247-760-11	CARBON	4.7K	5%	1/2W	
R329	1-249-421-11	CARBON	2.2K	5%	1/4W	
R341	1-249-433-11	CARBON	22K	5%	1/4W	
R342	1-249-425-11	CARBON	4.7K	5%	1/4W	
R348	1-249-433-11	CARBON	22K	5%	1/4W	
R349	1-249-433-11	CARBON	22K	5%	1/4W	
R352	1-249-437-11	CARBON	47K	5%	1/4W	
R410	1-249-435-11	CARBON	33K	5%	1/4W	
R411	1-249-435-11	CARBON	33K	5%	1/4W	
R412	1-249-426-11	CARBON	5.6K	5%	1/4W	
R851	1-249-417-11	CARBON	1K	5%	1/4W	
R852	1-249-441-11	CARBON	100K	5%	1/4W	
R853	1-249-425-11	CARBON	4.7K	5%	1/4W	
R854	1-249-425-11	CARBON	4.7K	5%	1/4W	
R855	1-249-412-11	CARBON	390	5%	1/4W	
R857	1-249-418-11	CARBON	1.2K	5%	1/4W	
R858	1-249-438-11	CARBON	56K	5%	1/4W	
R859	1-249-429-11	CARBON	10K	5%	1/4W	
R860	1-249-429-11	CARBON	10K	5%	1/4W	
R861	1-249-417-11	CARBON	1K	5%	1/4W	
R862	1-249-441-11	CARBON	100K	5%	1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

MAIN PANEL GEQ H. P. VOL

Ref. No.	Part No.	Description				Remark
R863	1-249-425-11	CARBON	4.7K	5%	1/4W	
R864	1-249-425-11	CARBON	4.7K	5%	1/4W	
R865	1-249-412-11	CARBON	390	5%	1/4W	
R867	1-249-418-11	CARBON	1.2K	5%	1/4W	
R868	1-249-438-11	CARBON	56K	5%	1/4W	
R869	1-249-429-11	CARBON	10K	5%	1/4W	
R870	1-247-887-00	CARBON	220K	5%	1/4W	
R871	1-249-433-11	CARBON	22K	5%	1/4W	
R872	1-249-423-11	CARBON	3.3K	5%	1/4W	
R873	1-249-423-11	CARBON	3.3K	5%	1/4W	
R876	1-249-417-11	CARBON	1K	5%	1/4W	
R878	1-247-887-00	CARBON	220K	5%	1/4W	
⚠R1076	1-212-940-00	FUSIBLE	1.8	5%	1/2W F	(UK)
⚠R1077	1-212-940-00	FUSIBLE	1.8	5%	1/2W F	(UK)
		< RELAY >				
RY101	1-515-765-11	RELAY				
		< SWITCH >				
⚠S101	1-554-920-51	SWITCH, PUSH (AC POWER) (1 KEY)				
		< TERMINAL BOARD >				
TB101	1-537-238-11	TERMINAL BOARD				
**********						
*	A-4347-257-A	PANEL BOARD, COMPLETE				
		**********				
*	A-4347-276-A	GEQ BOARD, COMPLETE				
		**********				
*	1-642-746-11	H. P. BOARD				
		*********				
*	1-642-747-11	VOL BOARD				
		*********				
*	4-921-941-01	CUSHION (FL)				
*	4-923-103-01	HOLDER, FL TUBE				
*	4-950-658-01	HOLDER (FU), LED				
*	4-950-660-01	HOLDER, LED				
		< CAPACITOR >				
C50	1-124-257-00	ELECT	2.2uF	20%	50V	
C120	1-126-022-11	ELECT	47uF	20%	16V	
C121	1-126-059-11	ELECT	10uF	20%	50V	
C122	1-162-286-31	CERAMIC	220PF	10%	50V	
C123	1-106-359-00	MYLAR	4700PF	5%	200V	
C124	1-110-340-11	MYLAR	270PF	5%	50V	
C125	1-136-154-00	FILM	0.012uF	5%	50V	
C126	1-130-469-00	MYLAR	680PF	5%	50V	
C127	1-136-159-00	FILM	0.033uF	5%	50V	
C128	1-130-474-00	MYLAR	0.0018uF	5%	50V	

Ref. No.	Part No.	Description			Remark
C129	1-136-163-00	FILM	0.068uF	5%	50V
C130	1-130-478-00	MYLAR	0.0039uF	5%	50V
C131	1-136-168-00	FILM	0.18uF	5%	50V
C132	1-136-153-00	FILM	0.01uF	5%	50V
C133	1-136-163-00	FILM	0.068uF	5%	50V
C134	1-126-301-11	ELECT	1uF	20%	50V
C135	1-136-158-00	FILM	0.027uF	5%	50V
C136	1-126-300-11	ELECT	0.47uF	20%	50V
C137	1-162-207-31	CERAMIC	22PF	5%	50V
C210	1-126-022-11	ELECT	47uF	20%	16V
C221	1-126-059-11	ELECT	10uF	20%	50V
C222	1-162-286-31	CERAMIC	220PF	10%	50V
C223	1-106-359-00	MYLAR	4700PF	5%	200V
C224	1-110-340-11	MYLAR	270PF	5%	50V
C225	1-136-154-00	FILM	0.012uF	5%	50V
C226	1-130-469-00	MYLAR	680PF	5%	50V
C228	1-130-474-00	MYLAR	0.0018uF	5%	50V
C229	1-136-163-00	FILM	0.068uF	5%	50V
C230	1-130-478-00	MYLAR	0.0039uF	5%	50V
C231	1-136-168-00	FILM	0.18uF	5%	50V
C232	1-136-153-00	FILM	0.01uF	5%	50V
C233	1-136-163-00	FILM	0.068uF	5%	50V
C234	1-126-301-11	ELECT	1uF	20%	50V
C235	1-136-158-00	FILM	0.027uF	5%	50V
C236	1-126-300-11	ELECT	0.47uF	20%	50V
C237	1-162-207-31	CERAMIC	22PF	5%	50V
C277	1-136-159-00	FILM	0.033uF	5%	50V
C308	1-164-159-11	CERAMIC	0.1uF		50V
C351	1-164-159-11	CERAMIC	0.1uF		50V
C352	1-126-049-11	ELECT	22uF	20%	25V
C375	1-164-159-11	CERAMIC	0.1uF		50V
C418	1-164-159-11	CERAMIC	0.1uF		50V
C419	1-136-153-00	FILM	0.01uF	5%	50V
C420	1-162-294-31	CERAMIC	0.001uF	10%	50V
C422	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C423	1-161-494-00	CERAMIC	0.022uF		25V
C424	1-164-159-11	CERAMIC	0.1uF		50V
C425	1-126-049-11	ELECT	22uF	20%	25V
C426	1-161-494-00	CERAMIC	0.022uF		25V
C427	1-161-494-00	CERAMIC	0.022uF		25V
C428	1-126-059-11	ELECT	10uF	20%	50V
C429	1-126-059-11	ELECT	10uF	20%	50V
C430	1-161-494-00	CERAMIC	0.022uF		25V
C431	1-161-494-00	CERAMIC	0.022uF		25V
C432	1-162-294-31	CERAMIC	0.001uF	10%	50V
C433	1-126-059-11	ELECT	10uF	20%	50V
C434	1-126-059-11	ELECT	10uF	20%	50V
C435	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C436	1-161-494-00	CERAMIC	0.022uF		25V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

PANEL | GEQ | H. P. | VOL

Ref. No.	Part No.	Description			Remark
C437	1-124-994-11	ELECT	100uF	20%	10V
C444	1-126-049-11	ELECT	22uF	20%	25V
C601	1-136-165-00	FILM	0.1uF	5%	50V
C602	1-126-022-11	ELECT	47uF	20%	16V
C603	1-126-022-11	ELECT	47uF	20%	16V
C995	1-126-301-11	ELECT	1uF	20%	50V
		< CONNECTOR >			
* CN191	1-573-979-11	CONNECTOR, BOARD TO BOARD 11P			
* CN502	1-568-839-11	SOCKET, CONNECTOR 23P			
* CN503	1-568-322-11	PLUG, CONNECTOR 10P			
CN601	1-568-321-11	SOCKET, CONNECTOR 10P			
* CN609	1-564-339-00	PIN, CONNECTOR 5P			
		< COMPOSITION CIRCUIT BLOCK >			
CP501	1-239-054-11	COMPOSITION CIRCUIT BLOCK			
CP502	1-239-054-11	COMPOSITION CIRCUIT BLOCK			
CP503	1-239-054-11	COMPOSITION CIRCUIT BLOCK			
CP504	1-239-054-11	COMPOSITION CIRCUIT BLOCK			
		< DIODE >			
D55	8-719-200-82	DIODE	11ES2		
D127	8-719-000-54	DIODE	UZL-6L3		
D501	8-719-987-63	DIODE	1N4148M		
D502	8-719-200-82	DIODE	11ES2		
D503	8-719-200-82	DIODE	11ES2		
D505	8-719-000-60	DIODE	UZL-6M2		
D506	8-719-987-63	DIODE	1N4148M		
D507	8-719-987-63	DIODE	1N4148M		
D508	8-719-987-63	DIODE	1N4148M		
D509	8-719-987-63	DIODE	1N4148M		
D510	8-719-987-63	DIODE	1N4148M		
D511	8-719-987-63	DIODE	1N4148M		
D512	8-719-987-63	DIODE	1N4148M		
D521	8-719-301-39	LED	SEL2210S-D		
D522	8-719-301-39	LED	SEL2210S-D		
D523	8-719-301-39	LED	SEL2210S-D		
D524	8-719-301-39	LED	SEL2210S-D		
D525	8-719-301-39	LED	SEL2210S-D		
D526	8-719-301-39	LED	SEL2210S-D		
D527	8-719-301-39	LED	SEL2210S-D		
D528	8-719-301-39	LED	SEL2210S-D		
D529	8-719-301-39	LED	SEL2210S-D		
D530	8-719-301-39	LED	SEL2210S-D		
D531	8-719-301-39	LED	SEL2210S-D		
D532	8-719-301-39	LED	SEL2210S-D		
D533	8-719-301-39	LED	SEL2210S-D		
D534	8-719-301-39	LED	SEL2210S-D		
D535	8-719-313-69	DIODE	SEL3210S-CD		

Ref. No.	Part No.	Description		Remark
D536	8-719-313-69	DIODE	SEL3210S-CD	
D537	8-719-313-69	DIODE	SEL3210S-CD	
D538	8-719-313-69	DIODE	SEL3210S-CD	
D539	8-719-313-69	DIODE	SEL3210S-CD	
D540	8-719-313-69	DIODE	SEL3210S-CD	
D541	8-719-313-69	DIODE	SEL3210S-CD	
D542	8-719-313-69	DIODE	SEL3210S-CD	
D550	8-719-313-69	DIODE	SEL3210S-CD	
D551	8-719-987-63	DIODE	1N4148M	
D552	8-719-987-63	DIODE	1N4148M	
D553	8-719-987-63	DIODE	1N4148M	
D554	8-719-987-63	DIODE	1N4148M	
D554	8-719-987-63	DIODE	1N4148M	
D566	8-719-987-63	DIODE	1N4148M	
D601	8-719-200-82	DIODE	11ES2	
D603	8-719-933-33	DIODE	HZS6A1L	
		< FLUORESCENT INDICATOR >		
FL501	1-519-648-31	INDICATOR TUBE, FLUORESCENT		
		< IC >		
IC111	8-759-633-78	IC	M5289P	
IC112	8-759-822-26	IC	LC7522K	
IC113	8-759-633-78	IC	M5289P	
IC501	8-759-635-63	IC	M51943BSL	
IC502	8-759-066-29	IC	uPD75108CW-C98	
IC503	8-759-822-27	IC	LC7565K	
IC504	8-759-991-11	IC	XR1091DCP	
IC601	8-759-820-62	IC	LB1639	
		< JACK >		
J901	1-507-854-00	JACK, PHONE	(HEADPHONES)	
		< COIL >		
L501	1-408-121-00	INDUCTOR	22uH	
		< TRANSISTOR >		
Q501	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q502	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q511	8-729-900-36	TRANSISTOR	DTC124ES	
Q513	8-729-900-63	TRANSISTOR	DTA124ES	
Q514	8-729-900-63	TRANSISTOR	DTA124ES	
Q515	8-729-119-76	TRANSISTOR	2SA1175-HFE	
Q516	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q517	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q518	8-729-620-05	TRANSISTOR	2SC2603-EF	
Q519	8-729-620-05	TRANSISTOR	2SC2603-EF	

PANEL GEQ H. P. VOL

Ref. No.	Part No.	Description				Remark
Q520	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q521	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q530	8-729-900-36	TRANSISTOR	DTC124ES			
Q555	8-729-900-63	TRANSISTOR	DTA124ES			
		< RESISTOR >				
R40	1-249-421-11	CARBON	2.2K	5%	1/4W	
R127	1-247-852-11	CARBON	7.5K	5%	1/4W	
R128	1-247-903-00	CARBON	1M	5%	1/4W	
R129	1-247-903-00	CARBON	1M	5%	1/4W	
R130	1-247-903-00	CARBON	1M	5%	1/4W	
R131	1-247-903-00	CARBON	1M	5%	1/4W	
R132	1-247-903-00	CARBON	1M	5%	1/4W	
R133	1-247-903-00	CARBON	1M	5%	1/4W	
R134	1-247-903-00	CARBON	1M	5%	1/4W	
R135	1-247-852-11	CARBON	7.5K	5%	1/4W	
R227	1-247-852-11	CARBON	7.5K	5%	1/4W	
R228	1-247-903-00	CARBON	1M	5%	1/4W	
R229	1-247-903-00	CARBON	1M	5%	1/4W	
R230	1-247-903-00	CARBON	1M	5%	1/4W	
R231	1-247-903-00	CARBON	1M	5%	1/4W	
R232	1-247-903-00	CARBON	1M	5%	1/4W	
R233	1-247-903-00	CARBON	1M	5%	1/4W	
R234	1-247-903-00	CARBON	1M	5%	1/4W	
R235	1-247-852-11	CARBON	7.5K	5%	1/4W	
R314	1-249-417-11	CARBON	1K	5%	1/4W	
R315	1-249-417-11	CARBON	1K	5%	1/4W	
R346	1-249-425-11	CARBON	4.7K	5%	1/4W	
R399	1-249-405-11	CARBON	100	5%	1/4W	
R408	1-249-405-11	CARBON	100	5%	1/4W	
R409	1-249-419-11	CARBON	1.5K	5%	1/4W	
R413	1-249-441-11	CARBON	100K	5%	1/4W	
R414	1-249-432-11	CARBON	18K	5%	1/4W	
R415	1-247-891-00	CARBON	330K	5%	1/4W	
R416	1-249-425-11	CARBON	4.7K	5%	1/4W	
R417	1-249-437-11	CARBON	47K	5%	1/4W	
R418	1-247-891-00	CARBON	330K	5%	1/4W	
R421	1-249-433-11	CARBON	22K	5%	1/4W	
R422	1-249-411-11	CARBON	330	5%	1/4W	
R423	1-249-417-11	CARBON	1K	5%	1/4W	
R424	1-247-903-00	CARBON	1M	5%	1/4W	
R499	1-249-417-11	CARBON	1K	5%	1/4W	
R521	1-249-425-11	CARBON	4.7K	5%	1/4W	
R522	1-249-425-11	CARBON	4.7K	5%	1/4W	
R524	1-249-417-11	CARBON	1K	5%	1/4W	
R525	1-249-425-11	CARBON	4.7K	5%	1/4W	
R526	1-249-429-11	CARBON	10K	5%	1/4W	
R527	1-249-393-11	CARBON	10	5%	1/4W	
R528	1-249-417-11	CARBON	1K	5%	1/4W	
R529	1-249-424-11	CARBON	3.9K	5%	1/4W	
R530	1-249-417-11	CARBON	1K	5%	1/4W	
R532	1-249-421-11	CARBON	2.2K	5%	1/4W	
R533	1-249-421-11	CARBON	2.2K	5%	1/4W	
R534	1-249-441-11	CARBON	100K	5%	1/4W	
R535	1-249-441-11	CARBON	100K	5%	1/4W	
R536	1-249-417-11	CARBON	1K	5%	1/4W	
R537	1-249-417-11	CARBON	1K	5%	1/4W	
R538	1-249-417-11	CARBON	1K	5%	1/4W	
R539	1-249-417-11	CARBON	1K	5%	1/4W	
R540	1-249-417-11	CARBON	1K	5%	1/4W	
R541	1-249-417-11	CARBON	1K	5%	1/4W	
R542	1-249-417-11	CARBON	1K	5%	1/4W	
R544	1-249-417-11	CARBON	1K	5%	1/4W	
R545	1-249-429-11	CARBON	10K	5%	1/4W	
R546	1-249-417-11	CARBON	1K	5%	1/4W	
R547	1-249-429-11	CARBON	10K	5%	1/4W	
R548	1-249-429-11	CARBON	10K	5%	1/4W	
R549	1-249-417-11	CARBON	1K	5%	1/4W	
R550	1-249-417-11	CARBON	1K	5%	1/4W	
R551	1-249-435-11	CARBON	33K	5%	1/4W	
R552	1-249-437-11	CARBON	47K	5%	1/4W	
R553	1-249-429-11	CARBON	10K	5%	1/4W	
R554	1-249-437-11	CARBON	47K	5%	1/4W	
R555	1-249-429-11	CARBON	10K	5%	1/4W	
R556	1-247-903-00	CARBON	1M	5%	1/4W	
R561	1-249-410-11	CARBON	270	5%	1/4W	
R562	1-249-411-11	CARBON	330	5%	1/4W	
R563	1-249-411-11	CARBON	330	5%	1/4W	
R564	1-249-411-11	CARBON	330	5%	1/4W	
R565	1-249-410-11	CARBON	270	5%	1/4W	
R566	1-249-411-11	CARBON	330	5%	1/4W	
R567	1-249-411-11	CARBON	330	5%	1/4W	
R568	1-249-411-11	CARBON	330	5%	1/4W	
R569	1-249-410-11	CARBON	270	5%	1/4W	
R570	1-249-410-11	CARBON	270	5%	1/4W	
R571	1-249-410-11	CARBON	270	5%	1/4W	
R572	1-249-410-11	CARBON	270	5%	1/4W	
R573	1-249-399-11	CARBON	33	5%	1/4W	
R574	1-249-399-11	CARBON	33	5%	1/4W	
R575	1-249-399-11	CARBON	33	5%	1/4W	
R576	1-249-399-11	CARBON	33	5%	1/4W	
R577	1-249-399-11	CARBON	33	5%	1/4W	
R578	1-249-411-11	CARBON	330	5%	1/4W	
R579	1-249-411-11	CARBON	330	5%	1/4W	
R580	1-249-411-11	CARBON	330	5%	1/4W	
R581	1-249-411-11	CARBON	330	5%	1/4W	
R582	1-249-411-11	CARBON	330	5%	1/4W	

PANEL GEQ H. P. VOL

Ref. No.	Part No.	Description			Remark
R586	1-249-425-11	CARBON	4.7K	5%	1/4W
R588	1-249-425-11	CARBON	4.7K	5%	1/4W
R589	1-249-425-11	CARBON	4.7K	5%	1/4W
R595	1-249-437-11	CARBON	47K	5%	1/4W
R596	1-249-437-11	CARBON	47K	5%	1/4W
R597	1-249-437-11	CARBON	47K	5%	1/4W
R598	1-249-437-11	CARBON	47K	5%	1/4W
R599	1-249-417-11	CARBON	1K	5%	1/4W
R601	1-249-412-11	CARBON	390	5%	1/4W
R602	1-249-425-11	CARBON	4.7K	5%	1/4W
R603	1-249-429-11	CARBON	10K	5%	1/4W
R604	1-249-429-11	CARBON	10K	5%	1/4W
R605	1-249-401-11	CARBON	47	5%	1/4W
R607	1-247-830-11	CARBON	910	5%	1/4W
R901	1-247-747-11	CARBON	470	5%	1/2W
R911	1-247-747-11	CARBON	470	5%	1/2W
R1599	1-249-425-11	CARBON	4.7K	5%	1/4W
		< VARIABLE RESISTOR >			
RV501	1-238-459-11	RES. VAR. CARBON 100K (BALANCE)			
RV502	1-241-307-11	RES. VAR. CAREBON 10K/10K (DBFB LEVEL)			
RV601	1-238-708-21	RES. VAR. CARBON 10K/100K/100K (VOLUME)			
		< SWITCH >			
S501	1-554-303-21	SWITCH, TACTILE (EQ-REC)			
S502	1-554-303-21	SWITCH, TACTILE (TUNER)			
S503	1-554-303-21	SWITCH, TACTILE (EQ)			
S504	1-554-303-21	SWITCH, TACTILE (SURROUND MODE)			
S505	1-554-303-21	SWITCH, TACTILE (MEMORY)			
S511	1-554-303-21	SWITCH, TACTILE (DBFB)			
S512	1-554-303-21	SWITCH, TACTILE (CD)			
S513	1-554-303-21	SWITCH, TACTILE (PERSONAL FILE 1-5)			
S514	1-554-303-21	SWITCH, TACTILE (◁)			
S515	1-554-303-21	SWITCH, TACTILE (REVRSE)			
S516	1-554-303-21	SWITCH, TACTILE (SURROUND LEVEL)			
S521	1-554-303-21	SWITCH, TACTILE (EFFECT)			
S522	1-554-303-21	SWITCH, TACTILE (TAPE)			
S523	1-554-303-21	SWITCH, TACTILE (SELECT 10)			
S524	1-554-303-21	SWITCH, TACTILE (△)			
S525	1-554-303-21	SWITCH, TACTILE (FLAT)			
S526	1-554-303-21	SWITCH, TACTILE (PHONO)			
S532	1-554-303-21	SWITCH, TACTILE (VIDEO)			
S533	1-554-303-21	SWITCH, TACTILE (▽)			
S534	1-554-303-21	SWITCH, TACTILE (▷)			
S535	1-554-303-21	SWITCH, TACTILE (DISPLAY)			
S536	1-554-303-21	SWITCH, TACTILE (PROGRAM FUNKTION)			

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X501	1-577-359-21	VIBRATOR, CERAMIC (4.19MHz)	
**********			
		MISCELLANEOUS	
		**********	
8	1-690-697-11	WIRE (FLAT TYPE) (23 CORE)	
⚠56	1-575-654-11	CORD, POWER (AEP, G, IT, EE)	
⚠56	1-575-669-21	CORD, POWER (UK)	
⚠F101	1-532-259-00	FUSE (T1.6A)	
⚠F103	1-532-203-00	FUSE (T2.0A)	
⚠F104	1-532-203-00	FUSE (T2.0A)	
⚠T901	1-450-812-11	TRANSFORMER, POWER	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	4-920-940-01	SHEET (A), PROTECTION	
*	4-934-859-01	CUSHION	
**********			

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S
#2	7-621-773-93	SCREW (PANEL 2.6 TP2)
#3	7-682-548-04	SCREW +BVTT 3X8 (S)
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3
#5	7-682-560-04	SCREW +BVTT 4X6 (S)
#6	7-621-849-00	SCREW (BV/RING)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-956-995-11

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Audio Group

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